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Annual  
Review  
1987

Volume 31

# MONTANA OIL & GAS

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DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION  
OF THE STATE OF MONTANA

# Oil and Gas Conservation Division

Ted Schwinden, Governor



ANNUAL REVIEW FOR THE YEAR 1987  
Relating to  
**OIL AND GAS**  
Volume 31

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## **ACKNOWLEDGMENTS**

The data presented in this report was compiled by Richard Jacobson, Statistician in the Billings office of the Montana Board of Oil and Gas Conservation, and Larry Syth and Brenda Elwell, Statistical Technicians in the Helena office.

# TABLE OF CONTENTS

Administrator's Report . . . . .	1
1987 Summary of Year Activities . . . . .	2
Five Year Summary . . . . .	3
Summary of Drilling by Counties . . . . .	4
Crude Oil Production Graph . . . . .	5
Natural Gas Production . . . . .	6
Associated Gas Production . . . . .	9
Refiner's Report . . . . .	13
Crude Oil Production and Valuation . . . . .	14
Miscellaneous Inactive Fields . . . . .	20
1987 Well Completions . . . . .	21
Summary of Secondary Recovery Projects . . . . .	29
Oil and Gas Field Summary . . . . .	31
Map of Pipelines and Refineries . . . . .	In Back of Book
Summary of Producing Oil Fields . . . . .	In Back of Book
Generalized Stratigraphic Correlation Chart . . . . .	In Back of Book



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## **Annual Review for the Year 1987 Volume 31 ACTIVITY REVIEW--MONTANA 1987**

Mainly due to natural depletion, Montana's oil production continues to decline. A total of 25.1 million barrels of oil was produced this year as compared to 27.2 million barrels for 1986. Natural and associated gas withdrawals also decreased in 1987 to 47.9 billion cubic feet from 48.25 billion cubic feet produced in 1986. Because of the increase of the average price per barrel of oil, however, the gross value of 1987 oil production at \$417,282,850 exceeded the comparable value of oil produced in 1986 which was \$367,322,590. The average price per barrel of oil in 1987 was \$16.62; last year's average price was \$13.51/bbl.

There are still 187 million barrels of proven oil reserves in Montana and also areas throughout the state that merit drilling and exploration. The rise in the average price of crude in 1987 is encouraging; however, a continued stabilizing of the oil industry's economy is needed to support the pursuit and development of Montana's remaining hydrocarbon producing potential.

There were 100 oil exploration and 13 geophysical exploration companies active in the state during the year. A total of 348 wells were drilled, 57 less than in 1986. Drilling occurred in 31 of Montana's 56 counties with the most active area of drilling continuing to be along the Sweetgrass Arch of northwest Montana. A total of 200 development wells resulted in 86 oil and 75 gas producers. Of the 127 wildcats drilled, 7 were completed as oil wells, 9 as gas wells, and 11 wells were temporarily abandoned. Twenty-one service wells were also drilled during the year.

The Board is continuing to negotiate with EPA to take primacy of the Underground Injection Control (UIC) program for Class II (oil and gas) wells.

Well samples, including core chips, from more than 11,620 wells are now on file in the Billings office. As received, all samples are boxed, catalogued by well location, and assigned a filing number. Full cores are stored at the USGS Core Library in Arvada, Colorado.

A total of 57 applications for determination to quality for maximum lawful price as prescribed by the Natural Gas Policy Act, were received and processed during the year.

The Board also issued 57 Board Orders in 1987. The greater portion of which pertained exceptions to spacing and drilling rules, establishment of field delineations and spacing rules, and the pooling of interests.

**1987  
SUMMARY OF YEAR ACTIVITIES**

**OIL**

	BBLs	BBLs OF OIL PER DAY
Oil Produced .....	25,104,049	68,778
Oil Imported From:		
Canada .....	24,396,425	
Wyoming .....	<u>13,757,603</u>	
Total .....	38,154,028	104,532
Oil Exported .....	19,800,000	54,247

**GAS**

	MCF	MCF/DAY
Gas Withdrawals:		
Natural .....	36,556,084	
Associated .....	<u>11,289,227</u>	
Total .....	47,845,311	131,083
Gas Imported From:		
Canada .....	6,174,045	
North Dakota .....	35,090,611	
Wyoming .....	<u>6,882,474</u>	
Total .....	48,147,130	131,910
Gas Exported To:		
Canada .....	39,879	
North Dakota .....	435,161	
South Dakota .....	5,216,097	
Wyoming .....	18,794,576	
Midwest .....	<u>10,557,306</u>	
Total .....	35,043,019	96,008



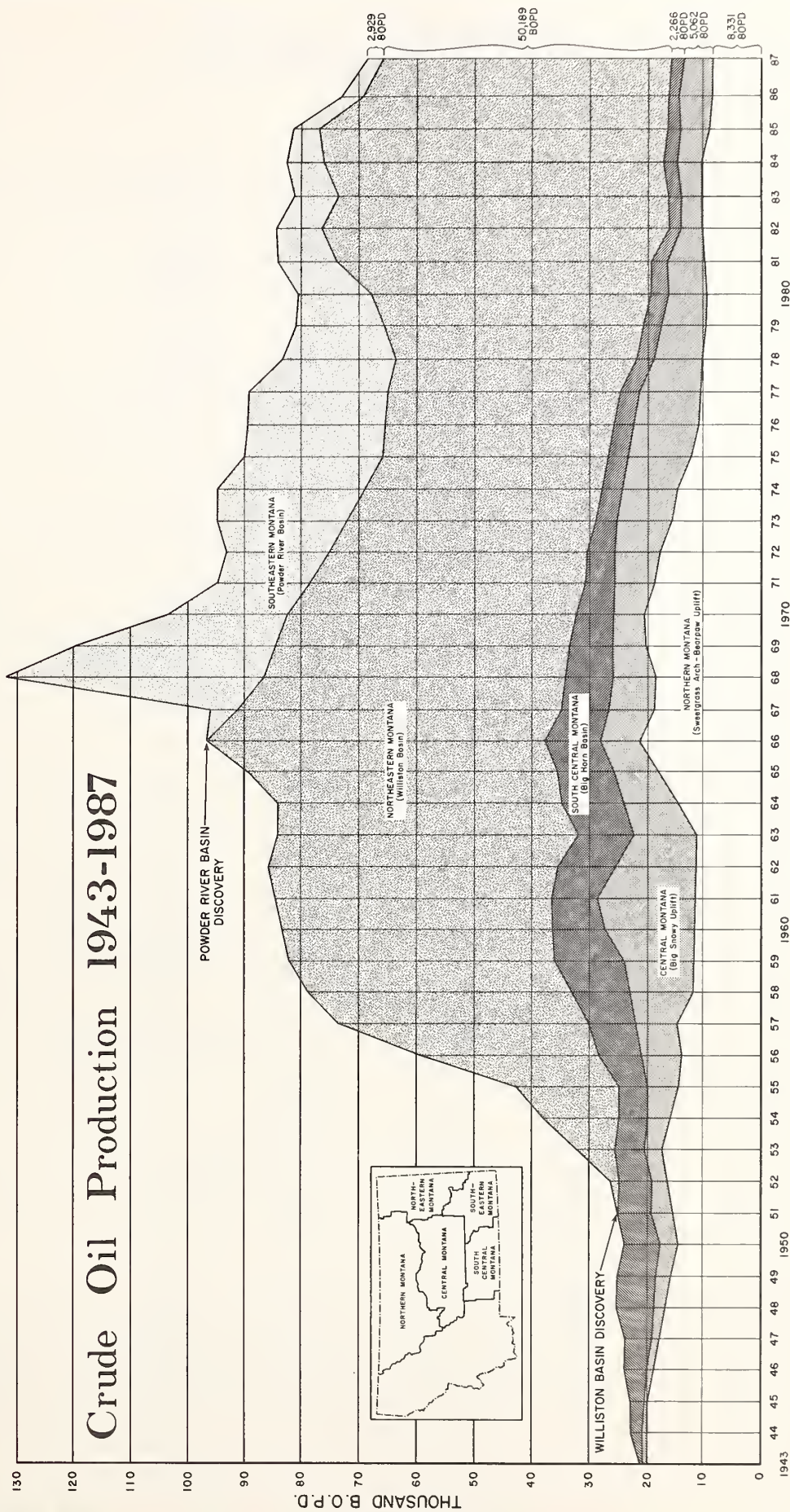
## FIVE YEAR SUMMARY

	1983	1984	1985	1986	1987
<b>PRODUCTION IN BARRELS</b>					
Northern Montana .....	3,682,130	3,708,185	3,419,300	3,220,769	3,040,941
South Central .....	790,150	829,090	838,817	722,118	827,229
Central .....	1,467,855	1,709,653	1,868,780	2,387,266	1,847,551
Williston Basin .....	20,877,527	21,449,415	21,979,087	19,520,103	18,319,149
Powder River Basin .....	2,847,618	2,383,476	1,744,433	1,314,374	1,069,179
TOTAL .....	29,665,280	30,079,819	29,850,417	27,164,630	25,104,049
<b>NUMBER OF PRODUCING WELLS</b>					
Northern Montana .....	2,693	2,610	2,803	3,017	2,850
South Central .....	150	144	141	80	130
Central .....	287	294	417	453	363
Williston Basin .....	1,446	1,577	1,540	1,509	1,430
Powder River Basin .....	222	214	216	184	112
TOTAL .....	4,798	4,839	5,117	5,243	4,885
<b>AVERAGE DAILY PRODUCTION/WELL</b>					
Northern Montana .....	3.7	3.9	3.3	2.9	2.9
South Central .....	14.4	15.8	16.3	24.7	17.4
Central .....	14.0	15.9	12.3	14.4	13.9
Williston Basin .....	39.6	37.9	39.1	35.4	35.1
Powder River Basin .....	35.1	30.4	22.1	19.5	26.2
STATE AVERAGE .....	16.9	17.0	16.0	14.2	14.1
<b>DEVELOPMENT WELLS DRILLED</b>					
Oil Wells .....	160	327	227	90	86
Gas Wells .....	55	99	84	81	75
Dry Holes .....	88	87	90	69	39
Service Wells .....	10	20	18	4	21
TOTAL .....	313	533	419	244	221
<b>EXPLORATORY WELLS DRILLED</b>					
Oil Wells .....	25	33	16	11	7
Gas Wells .....	16	21	2	10	9
Dry Holes .....	156	189	192	130	100
Temporary Abandoned .....	23	25	11	10	11
TOTAL .....	220	268	221	161	127
TOTAL WELLS DRILLED .....	533	801	640	405	348
TOTAL FOOTAGE DRILLED .....	2,529,666	3,831,730	3,076,290	1,648,519	1,526,389
AVERAGE FOOTAGE DRILLED .....	4,746	4,783	4,806	4,070	4,386

# SUMMARY OF DRILLING BY COUNTIES—1987

County	Development			Wildcat			Service	Temp. Aband.	Total Wells	Footage Drilled	Average Depth
	Oil	Gas	Dry	Oil	Gas	Dry					
Beaverhead						2			2	23,711	11,855
Big Horn		3	2						5	16,963	3,392
Blaine		11	3			2			16	34,709	2,169
Carbon	4	3	1			1			9	50,681	5,631
Cascade						8			8	15,550	1,943
Chouteau			1		1	5		1	8	15,745	1,968
Dawson	5						1		6	55,686	9,281
Fallon	23		3			1	6		33	281,027	8,515
Fergus						3			3	12,338	4,112
Gallitan						1			1	14,040	14,040
Glacier	5	1					14	4	24	75,566	3,148
Hill		7	3		1	5			16	29,326	1,832
Liberty			1		1				2	5,842	2,921
Madison						2			2	9,645	4,822
Musselshell	3					12			15	62,163	4,144
Park						1			1	5,368	5,368
Petroleum	1					2			3	11,215	3,738
Pondera		6	3			1			10	8,605	860
Powder River						5			5	33,715	6,743
Powell						2			2	17,020	8,510
Richland	9		1	3		2			15	178,503	11,900
Roosevelt			2			6			8	66,192	8,274
Rosebud	1					9		1	11	49,330	4,484
Sheridan	4		4	4		8			20	199,374	9,968
Stillwater		4	3		1	2			10	21,160	2,116
Sweet Grass		1				2		1	4	12,949	3,237
Teton						3		2	5	12,250	2,450
Toole	29	39	7		5	7		2	89	146,639	1,647
Valley						3			3	18,905	6,301
Wibaux			1						1	10,250	10,250
Yellowstone	2		4			5			11	31,922	2,902
TOTALS	86	75	39	7	9	100	21	11	348	1,526,389	4,386

# Crude Oil Production 1943-1987





# GAS PRODUCTION DATA—1987

## NATURAL GAS

Field	County	Producing Formation	Produced MCF
Alma	Liberty	Bow Island	12,339
Amanda	Toole	Swift, Bow Island, Sunburst	247,877
Arch Apex	Toole	Bow Island, Sunburst, Swift	262,264
Badlands	Hill	Eagle	397,948
Battle Creek	Blaine	Eagle	3,110,847
Bears Den	Liberty	Madison, Bow Island, Swift	19,215
Bell Creek, Southeast	Powder River	Muddy	37,649
Big Coulee	Golden Valley, Stillwater	Lakota, Morrison, Cat Creek	228,106
Big Rock	Glacier	Blackleaf, Bow Island, Madison, Colorado	581,772
Bills Coulee	Teton	Sunburst, Moulton, Kootenai, Dakota	120,543
Black Butte	Hill	Eagle	182,631
Black Coulee	Blaine	Eagle	97,353
Blackfoot	Glacier	Dakota	98,229
Blackjack	Liberty	Second White Specks, Sunburst, Blackleaf, Bow Island	114,940
Blackleaf Canyon	Teton	Sun River	117,801
Border	Toole	Sunburst, Moulton	5,305
Bowdoin and Area	Phillips, Valley	Bowdoin, Phillips, Carlile-Greenhorn	2,713,761
Bowes	Blaine	Eagle	321,589
Bradley	Glacier	Dakota	3,344
Broadview	Golden Valley	Frontier	135,137
Browns Coulee, East	Hill	Eagle, Judith River	82,999
Buffalo Flats	Chouteau	Bow Island	11,497
Bullwacker and Area	Blaine, Chouteau	Eagle, Judith River	810,954
Camp Creek	Chouteau	Eagle	11,487
Canadian Coulee and Area	Hill	Sawtooth	489
Canadian Coulee, North	Hill, Liberty	Sawtooth	4,897
Cedar Creek	Fallon	Judith River, Eagle	135,071
Chain Lakes	Hill	Eagle	5,403
Charlie Creek, North	Richland	Red River	37,662
Clarks Fork	Carbon	Greybull	21,372
Coal Coulee	Hill	Eagle	445
Cut Bank	Glacier, Toole	Cut Bank, Blackleaf, Moulton, Sunburst Bow Island, Swift, Madison, Dakota	3,051,824
Devon	Toole	Bow Island	291,244
Devon, East	Toole	Bow Island	1,873
Devon, South	Toole	Bow Island	22,727
Dry Creek	Carbon	Frontier, Judith River, Greybull, Eagle, Virgelle-Eagle	624,479
Dry Creek, Middle	Carbon	Frontier	37,241
Dry Creek (Shallow Gas)	Carbon	Virgelle	47,968
Dry Creek, West	Carbon	Greybull, Frontier	1,559
Dry Fork	Pondera	Bow Island	76,405
Dunkirk	Toole	Dakota, Bow Island	166,542
Dunkirk, North	Toole	Bow Island, Dakota, Kootenai, Swift	219,243
Dutch John Coulee	Toole	Sunburst	12,972
Eagle Springs	Toole	Bow Island, Sunburst, Swift	39,978
Ethridge Area	Toole	Swift	37,217
Ethridge, North	Toole	Swift	4,749
Fitzpatrick Lake	Toole	Bow Island	147,992
Flat Coulee	Liberty	Sawtooth, Bow Island, Dakota, Swift, Blackleaf	62,439
Fort Conrad	Toole, Pondera	Bow Island	99,533
Fred and George Creek	Toole	Sunburst, Bow Island, Swift-Blackleaf	41,215
Fresno and Area	Hill	Eagle	55,941
Galata	Toole	Bow Island	178,211

# GAS PRODUCTION DATA—1987

## NATURAL GAS (CONTINUED)

Field	County	Producing Formation	Produced MCF
Gold Butte .....	Toole .....	Bow Island .....	4,622
Golden Dome .....	Carbon .....	Greybull, Frontier .....	125,701
Grandview .....	Liberty .....	Bow Island, Sawtooth .....	28,822
Gypsy Basin .....	Pondera .....	Sunburst, Madison, Sawtooth, Swift, Moulton ..	5,440
Hammond .....	Carter .....	Muddy .....	8,629
Hardin .....	Big Horn .....	Frontier .....	19,443
Hardpan and Area .....	Pondera, Chouteau .....	Bow Island .....	149,378
Havre .....	Hill, Blaine .....	Eagle .....	205,444
Haystack Butte .....	Liberty .....	Bow Island .....	24,523
Keith Area .....	Liberty .....	Second White Specks, Sawtooth, Bow Island ..	14,306
Keith, East .....	Liberty .....	Second White Specks, Sawtooth, Bow Island, Niobrara .....	444,309
Kevin Area .....	Toole .....	Swift, Sunburst .....	8,724
Kevin, Southwest .....	Toole .....	Bow Island, Sunburst, Swift, Dakota, Sunburst ..	293,705
Kevin-Sunburst .....	Toole .....	Dakota, Eagle, Madison, Swift, Bow Island, Sunburst, Kootenai .....	1,013,561
Kevin-Sunburst Nisku .....	Toole .....	Swift .....	39,888
Kicking Horse .....	Toole .....	Bow Island, Sunburst, Sawtooth .....	74,065
Kinyon Coulee Area .....	Toole .....	Bow Island .....	21,026
Kippen Area, East .....	Toole .....	Madison-Swift, Sawtooth .....	1,005
Lake Basin .....	Stillwater .....	Claggett, Eagle-Virgelle, Telegraph Creek, Frontier .....	262,276
Lake Basin, North .....	Stillwater .....	Eagle .....	14,096
Ledger .....	Pondera .....	Bow Island, Sawtooth .....	408,545
Leroy .....	Blaine .....	Eagle .....	706,773
Liscom Creek .....	Custer .....	Shannon .....	92,176
Little Basin .....	Stillwater .....	Frontier .....	167,624
Little Creek Area .....	Chouteau .....	Eagle-Virgelle .....	63,290
Little Rock .....	Glacier .....	Bow Island-Blackleaf .....	66,828
Lohman and Area .....	Blaine .....	Eagle .....	224,208
Loring Unit .....	Phillips .....	Phillips-Bowdoin-Carlile-Greenhorn .....	1,020,344
Loring, East .....	Phillips .....	Phillips-Bowdoin-Carlile-Greenhorn .....	709,246
Marias River .....	Toole, Pondera .....	Bow Island .....	261,195
Middle Butte .....	Toole, Liberty .....	Bow Island, Dakota, Second White Specks ....	15,220
Miners Coulee .....	Toole .....	Sunburst, Bow Island, Sawtooth .....	198,800
Mount Lily .....	Liberty .....	Madison, Swift, Bow Island .....	19,220
O'Briens Coulee .....	Liberty .....	Bow Island, Second White Specks, Blackleaf ..	120,703
Old Shelby .....	Toole .....	Bow Island, Sunburst-Swift .....	644,268
Park City .....	Stillwater .....	Virgelle .....	26,442
Phantom .....	Toole .....	Sunburst .....	69,919
Phantom, West .....	Toole .....	Sunburst .....	25,084
Police Coulee .....	Toole .....	Bow Island .....	21,881
Prairie Dell .....	Toole .....	Bow Island-Swift-Dakota-Sunburst .....	624,148
Prairie Dell, West .....	Toole .....	Swift .....	21,673
Rapelje .....	Stillwater .....	Eagle-Virgelle-Claggett .....	60,384
Rattlesnake Coulee .....	Toole .....	Bow Island, Sunburst .....	4,601
Red Rock Area .....	Hill .....	Eagle, Judith River .....	93,388
Rocky Boy .....	Hill .....	Eagle .....	60,300
Rudyard .....	Hill .....	Sawtooth, Eagle .....	114,114
Sage Creek .....	Liberty .....	Blackleaf, Second White Specks, Bow Island ..	107,896
Sandwich .....	Liberty .....	Swift .....	1,154
Sawtooth Mountain .....	Blaine .....	Judith River, Eagle .....	613,518
Shelby Area .....	Toole .....	Sunburst .....	22,824
Sherard and Area .....	Blaine, Chouteau .....	Eagle, Judith River .....	608,019
Snoose Coulee .....	Liberty .....	Bow Island .....	26,968



# GAS PRODUCTION DATA—1987

## NATURAL GAS (CONTINUED)

Field	County	Producing Formation	Produced MCF
Soberup Coulee .....	Pondera .....	Bow Island .....	1,328
Spring Coulee .....	Hill .....	Sawtooth .....	98,401
Strawberry Creek .....	Toole .....	Bow Island, Burwash .....	101,966
Swanson Creek .....	Phillips, Valley .....	Phillips-Bow Island-Greenhorn .....	540,342
Sweetgrass .....	Toole .....	Sunburst .....	559
Three Mile .....	Blaine .....	Eagle .....	168,478
Tiber and Area .....	Toole .....	Bow Island .....	211,851
Tiger Ridge and Area .....	Blaine, Hill .....	Eagle, Judith River .....	8,813,691
Tiger Ridge, North .....	Blaine .....	Eagle .....	1,418
Trail Creek .....	Liberty, Toole .....	Bow Island, Sunburst, Swift .....	107,074
Utopia .....	Liberty .....	Sawtooth, Bow Island, Swift .....	31,734
Vandalia .....	Valley .....	Greenhorn, Bowdoin, Phillips .....	41,909
West Butte .....	Toole .....	Bow Island, Sunburst .....	18,668
West Butte Shallow Gas .....	Toole .....	Bow Island-Dakota .....	38,071
Whitewater, East .....	Phillips .....	Bowdoin-Phillips-Greenhorn .....	202,085
Whitlash .....	Liberty .....	Dakota, Swift, Bow Island, Madison, Swift-Sunburst .....	388,333
Whitelash, West .....	Toole .....	Sunburst, Bow Island, Swift .....	24,481
Williams .....	Pondera .....	Bow Island .....	138,083
Willow Ridge .....	Toole .....	Bow Island, Swift, Dakota, Duperow, Sunburst ..	294,391
Willow Ridge, South .....	Toole .....	Sunburst .....	200,181
Wildcat .....	Toole .....	Bow Island .....	1,046
<b>SUBTOTAL NATURAL GAS</b>			<b>36,556,084</b>

### NATURAL GAS IMPORTED MMCF

Canada	6,174
North Dakota	35,090
Wyoming	6,883
	<u>48,147</u>

### NATURAL GAS EXPORTED MMCF

Canada	40
North Dakota	435
South Dakota	5,216
Wyoming	18,795
Midwest	<u>10,557</u>
	35,043

# GAS PRODUCTION DATA — 1987

## ASSOCIATED GAS

Field	County	Producing Formation	Produced MCF
Anvil .....	Roosevelt .....	Nisku, Ratcliffe, Red River .....	333,336
Bainville .....	Roosevelt .....	Red River, Gunton, Interlake, Madison, Winnipegosis .....	17,527
Bainville, North .....	Roosevelt .....	Ratcliffe, Red River, Winnipegosis .....	111,239
Bainville, West .....	Roosevelt .....	Red River, Madison .....	11,181
Bainville II .....	Roosevelt .....	Red River .....	53,801
Beanblossum .....	Garfield .....	Tyler .....	2,709
Belfry .....	Carbon .....	Kootenai .....	1,454
Bell Creek .....	Carter, Powder River .....	Muddy .....	3,755
Benrud Area .....	Roosevelt .....	Madison .....	8,078
Benrud, East .....	Roosevelt .....	Nisku .....	11,922
Benrud, Northeast .....	Roosevelt .....	Nisku .....	3,653
Big Muddy Creek .....	Roosevelt .....	Mission Canyon, Red River .....	22,949
Black Diamond .....	Wibaux .....	Nisku .....	95,059
Bloomfield .....	Dawson .....	Dawson Bay, Red River-Interlake .....	45,247
Blue Mountain .....	Wibaux .....	Red River .....	6,097
Box Canyon .....	Richland .....	Red River .....	10,994
Breed Creek .....	Rosebud .....	Tyler .....	1,522
Brorson .....	Richland .....	Madison, Red River .....	86,030
Brorson, South .....	Richland .....	Red River, Madison .....	31,054
Brush Lake .....	Sheridan .....	Red River .....	44,434
Cabin Creek .....	Fallon .....	Madison, Siluro-Ord .....	624,972
Canal .....	Richland .....	Madison, Red River .....	39,827
Cannon Ball .....	Fallon .....	Red River .....	3,354
Charlie Creek .....	Richland .....	Nisku, Red River .....	42,022
Charlie Creek, East .....	Richland .....	Red River, Duperow .....	79,303
Charlie Creek, North .....	Richland .....	Bakken, Madison .....	1,311
Clear Lake .....	Sheridan .....	Madison, Nisku, Red River .....	193,113
Clear Lake, South .....	Sheridan .....	Red River .....	2,790
Colored Canyon .....	Sheridan .....	Red River .....	38,721
Comertown .....	Sheridan .....	Nisku, Ratcliffe, Red River .....	53,439
Comertown, South .....	Sheridan .....	Nisku, Red River .....	12,839
Cottonwood .....	Richland .....	Red River .....	17,301
Crane .....	Richland .....	Devonian, Siluro-Ord .....	266,317
Cupton .....	Fallon .....	Red River .....	39,708
Cut Bank .....	Pondera, Glacier, Toole .....	Madison, Moulton, Sunburst .....	41,721
Dagmar .....	Sheridan .....	Red River .....	36,996
Dagmar, North .....	Sheridan .....	Red River .....	3,808
Deer Creek .....	Dawson .....	Interlake, Red River .....	2,178
Diamond Point .....	Roosevelt .....	Red River .....	77,626
Divide .....	Sheridan .....	Madison .....	62,060
Dooley .....	Sheridan .....	Ratcliffe .....	1,040
Dry Creek .....	Carbon .....	Greybull, Eagle .....	115,244
Dry Creek, West .....	Carbon .....	Frontier .....	43
Dutch John Coulee .....	Toole .....	Sunburst .....	99,557
Dwyer .....	Sheridan .....	Sunburst, Interlake, Madison .....	54,588
Eagle .....	Richland .....	Madison, Red River, Duperow .....	67,743
Elk Basin .....	Carbon .....	Madison, Tensleep .....	459,525
Enid, North .....	Richland .....	Red River, Bakken .....	15,011
Fairview .....	Richland .....	Interlake, Madison, Red River .....	403,258
Fairview, East .....	Richland .....	Red River .....	12,186
Fairview, West .....	Richland .....	Madison .....	8,050
Fertile Prairie .....	Fallon .....	Red River .....	9,296
Fishhook .....	Sheridan .....	Red River .....	38,682
Flat Coulee (Swift SU) .....	Liberty .....	Swift .....	10,585
Flat Lake .....	Sheridan .....	Nisku, Madison .....	81,119
Flat Lake, South .....	Sheridan .....	Ratcliffe .....	3,424
Flaxville .....	Daniels .....	Mission Canyon .....	1,414
Fort Gilbert .....	Richland .....	Madison, Red River, Duperow .....	82,010

# GAS PRODUCTION DATA — 1987

## ASSOCIATED GAS (CONTINUED)

Field	County	Producing Formation	Produced MCF
Four Mile Creek	Richland	Red River	6,377
Four Mile Creek, West	Richland	Red River	1,313
Fox Creek	Richland	Stonewall	2,466
Fox Creek, North	Richland	Madison	198
Frannie	Carbon	Tensleep	32
Fred & George Creek	Toole	Sunburst	439
Frog Coulee	Richland	Red River	1,998
Froid, South	Roosevelt	Red River	5,132
Gas City	Dawson	Madison, Siluro-Ord	4,677
Girard	Richland	Red River	28,407
Glendive	Dawson	Siluro-Ord	19,878
Golden Dome	Carbon	Greybull	51,681
Goose Lake	Sheridan	Ratcliffe, Red River	26,747
Goose Lake, West	Sheridan	Red River	23,234
Gossett	Richland	Stoney Mountain, Red River, Madison	11,412
Gumbo Ridge	Rosebud	Tyler	385
Gunsight	Roosevelt	Madison	360
Hardscrable Creek	Richland	Red River	5,371
Hay Creek	Richland	Interlake, Mission Canyon, Red River	28,480
Hiawatha	Musselshell	Tyler	2,105
High Five	Rosebud	Stensvad	7,681
Honker	Sheridan	Red River	8,887
Intake II	Richland	Red River	52,071
Jim Coulee	Musselshell	Tyler	5,018
Jim Coulee, North	Musselshell	Tyler, Stensvad	229
Katy Lake	Sheridan	Red River	20,045
Katy Lake, North	Sheridan	Red River, Mission Canyon, Nesson	228,515
Keg Coulee	Musselshell	Tyler	90
Kelley Unit	Musselshell	Tyler	1,096
Kevin-Sunburst	Toole	Madison, Nisku, Sunburst	266,485
Kevin, East Nisku Oil	Toole	Nisku	51,677
Kincheloe Ranch, West	Rosebud	Tyler	9,521
Laird Creek	Liberty	Swift	690
Lambert	Richland	Red River	22,932
Landslide Butte	Glacier	Madison	89,625
Little Beaver	Fallon	Siluro-Ord	30,451
Little Beaver, East	Fallon	Siluro-Ord	24,662
Little Wall Creek	Musselshell	Tyler, Lower Tyler, Stensvad	18,885
Little Wall Creek, South	Musselshell	Tyler	17,672
Lobo	Sheridan, Roosevelt	Interlake, Red River	64,062
Lone Butte	Richland	Red River	35,844
Lonetree Creek	Richland	Red River	113,885
Lookout Butte	Fallon	Siluro-Ord, Madison	77,482
Lookout Butte, East	Fallon	Red River	6,823
Lowell	Sheridan	Red River	4,426
Lustre	Valley	Madison	114,922
Lustre Area	Valley	Madison	680
McCabe	Roosevelt	Ratcliffe	11,804
McCabe, West	Roosevelt	Red River	10,803
McCoy Creek	Sheridan	Red River	4,463
Medicine Lake	Sheridan	Winnipegosis, Siluro-Ord, Mission Canyon	267,671
Melstone	Musselshell	Tyler	17,829
Midfork	Valley	Charles C	3,520
Missouri Breaks	Richland	Red River	17,943
Mona	Richland	Red River	57,181
Monarch	Fallon	Siluro-Ord, Madison	8,894
Mondak, West	Richland	Devonian, Madison, Siluro-Ord	378,373
Mustang	Richland	Red River	27,591
Neisser Creek	Sheridan	Red River	14,945
Ninemile	Toole	Nisku, Sunburst	3,854

# GAS PRODUCTION DATA — 1987

## ASSOCIATED GAS (CONTINUED)

Field	County	Producing Formation	Produced MCF
Nohly	Richland	Red River, Nisku, Ratcliffe	378,948
Nohly, South	Richland	Red River	2,488
North Fork	Richland	Madison	21,995
Olje	Sheridan	Red River, Mission Canyon	13,910
Ollie	Fallon	Duperow, Red River	3,839
Otis Creek	Richland	Red River	15,113
Otis Creek, South	Richland	Red River	18,977
Outlook	Sheridan	Duperow, Winnipegosis, Nisku, Interlake	29,281
Outlook, South	Sheridan	Winnipegosis	1,670
Outlook, West	Sheridan	Winnipegosis	7
Oxbow	Roosevelt	Red River	18,057
Oxbow II	Roosevelt	Red River	12,121
Pelican	Sheridan	Red River	18,520
Pennel	Fallon	Siluro-Ord	664,210
Pine	Fallon, Wibaux, Prairie, Dawson	Madison, Siluro-Ord	285,849
Pipeline	Sheridan	Red River	1,246
Pondera	Pondera, Teton	Madison	16
Poplar, Northwest	Roosevelt	Charles	173,929
Prichard Creek	Toole	Sunburst	68
Pronghorn	Sheridan	Red River	28,365
Putnam	Richland	Madison, Red River, Interlake	232,325
Ragged Point	Musselshell	Tyler	1,071
Rainbow	Richland	Red River	12,738
Rattler Butte	Rosebud	Tyler	618
Rattlesnake Butte	Petroleum	Amsden, Cat Creek 1	18,716
Rattlesnake Coulee	Toole	Sunburst	344
Raymond	Sheridan	Mississippian, Red River, Winnipegosis, Nisku	298,468
Reagan	Glacier	Madison	413,752
Red Bank	Roosevelt	Red River, Madison	40,235
Red Bank, South	Roosevelt	Red River	10,966
Red Creek Unit	Glacier	Cut Bank, Madison	6,892
Red Fox	Roosevelt	Nisku	159
Red Water, East	Richland	Red River	15,345
Redstone	Sheridan	Winnipegosis	141
Refuge	Sheridan	Red River	14,681
Repeat	Carter	Red River	1,200
Reserve	Sheridan	Red River, Winnipegosis	24,029
Reserve II	Sheridan	Red River	18,376
Reserve, South	Sheridan	Red River	7,872
Richey, Southwest	McCone	Interlake	1,094
Ridgelawn	Richland	Madison, Red River, Duperow, Mission Canyon	718,336
RipRap Coulee	Roosevelt	Ratcliffe	10,992
River Bend	Richland	Red River	34,796
Rocky Point	Roosevelt	Red River	57,807
Rosebud	Rosebud	Tyler	1,011
Royals	Dawson	Dawson Bay	21,586
Rush Mountain	Sheridan	Red River, Gunton	8,295
Salt Lake	Sheridan	Red River	13,505
Sand Creek	Dawson	Interlake-Red River	6,390
Second Creek	Richland	Red River	47,310
Shotgun Creek	Roosevelt	Ratcliffe	12,593
Sidney	Richland	Madison, Red River	91,742
Sidney, East	Richland	Madison	25,100
Singletree	Roosevelt	Winnipegosis	11,581
Sioux Pass	Richland	Red River, Mission Canyon	76,399
Sioux Pass, East	Richland	Red River	895
Sioux Pass, Middle	Richland	Red River	68,090



# GAS PRODUCTION DATA — 1987

## ASSOCIATED GAS (CONTINUED)

Field	County	Producing Formation	Produced MCF
Sioux Pass, North .....	Richland .....	Madison, Red River .....	133,102
Sioux Pass, South .....	Richland .....	Red River .....	23,030
Snoose Coulee .....	Liberty .....	Bow Island .....	3,222
South Fork .....	Richland .....	Red River .....	23,620
Spring Lake .....	Richland .....	Bakken, Red River .....	43,534
Spring Lake, South .....	Richland .....	Red River .....	20,623
Spring Lake, West .....	Richland .....	Bakken .....	5,325
Stampede .....	Richland .....	Red River, Duperow .....	21,973
Stüdhorse .....	Garfield .....	Stensvad .....	1,001
Sumatra .....	Rosebud .....	Tyler .....	127,386
Sunny Hill, West .....	Sheridan .....	Red River .....	19,308
Three Buttes .....	Richland .....	Gunton, Red River, Mission Canyon .....	27,571
Tippy Buttes .....	Musselshell .....	Tyler .....	777
Tule Creek .....	Roosevelt .....	Nisku, Devonian .....	36,574
Tule Creek, East .....	Roosevelt .....	Nisku .....	7,559
Two Waters .....	Richland .....	Bakken .....	2,692
Vaux .....	Richland .....	Madison, Interlake, Red River, Stonewall .....	238,356
Wakea .....	Sheridan .....	Red River, Interlake, Winniepegosis .....	86,289
Weed Creek .....	Yellowstone .....	Amsden .....	752
Whitlash .....	Liberty .....	Swift, Sunburst .....	67,084
Wills Creek, South .....	Fallon .....	Siluro-Ord .....	2,670
Windmill .....	Richland .....	Red River .....	1,440
Wolf Springs .....	Yellowstone .....	Amsden .....	9,073
Woodrow .....	Dawson .....	Charles .....	2,664
Wrangler .....	Sheridan .....	Red River .....	39,286
Wrangler, North .....	Sheridan .....	Red River .....	5,936
Wright Creek .....	Powder River .....	Muddy .....	180
<b>SUBTOTAL ASSOCIATED GAS PRODUCED</b>			<b>11,289,227</b>
<b>SUBTOTAL NATURAL GAS PRODUCED</b>			<b>36,556,084</b>
<b>TOTAL GAS</b>			<b>47,845,311</b>



### REFINERS' YEARLY TOTAL—1987

COMPANY	BEGINNING STORAGE	MONTANA OIL	WYOMING OIL	CANADA OIL	REFINED	ENDING STORAGE
CENEX	217,257	2,054,578	2,145,133	6,956,512	11,263,800	109,680
CONTINENTAL OIL CO.	94,226	1,356,127	3,674,744	10,426,485	15,403,190	148,392
EXXON COMPANY	148,639	361,881	7,937,726	6,067,162	14,155,138	360,270
FLYING J OIL CO.	5,614	—	—	—	—	5,614
MONTANA REFINING CO.	14,845	1,220,657	—	946,266	2,165,614	16,154
<b>TOTALS</b>	<b>480,581</b>	<b>4,993,243</b>	<b>13,757,603</b>	<b>24,396,425</b>	<b>42,987,742</b>	<b>640,110</b>

### PERCENTAGE OF CRUDE OIL RECEIVED

YEAR	MONTANA	CANADA	N. DAKOTA	WYOMING
1983	16.98	37.16	0.11	45.75
1984	18.21	33.80	0.13	47.86
1985	18.97	39.06	0.03	41.94
1986	14.13	53.48	0.00	32.39
1987	11.57	56.54	0.00	31.89

### AVERAGE BARRELS PER DAY

YEAR	MONTANA	CANADA	N. DAKOTA	WYOMING	TOTAL
1983	19,507	42,696	124	52,555	114,882
1984	21,369	39,662	151	56,153	117,335
1985	21,382	44,043	28	47,283	112,736
1986	16,492	62,405	—	37,795	116,692
1987	13,680	66,840	—	37,692	118,212

### REFINING FIVE YEAR COMPARISON

1983	1984	1985	1986	1987
41,932,061	42,944,663	41,296,085	42,652,657	42,987,742

# BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

## STATEMENT OF CRUDE OIL PRODUCTION AND VALUATION—ALL MONTANA FIELDS

YEAR 1987 AND ACCUMULATED TOTAL FROM DISCOVERY DATE

FIELD	COUNTY	PRODUCTION YEAR 1987			CUMULATIVE TO DECEMBER 31, 1987	
		BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
Anvil .....	Roosevelt.....	336,909	5,811,680	17.25	2,927,786	72,978,294
Ash Creek .....	Big Horn.....	4,972	91,336	18.37	821,308	3,257,495
Bainville .....	Roosevelt.....	35,860	618,226	17.24	490,977	5,973,213
Bainville II .....	Roosevelt.....	74,736	1,255,565	16.80	424,405	9,442,183
Bainville, North .....	Roosevelt.....	131,205	2,240,981	17.08	1,185,891	33,290,689
Bainville, West.....	Roosevelt.....	9,991	171,545	17.17	193,251	5,524,647
Bannatyne .....	Teton.....	10,140	159,705	15.75	340,755	3,368,228
Beanblossom .....	Garfield.....	85,938	1,434,305	16.69	290,569	5,107,977
Bear's Den .....	Liberty.....	6,134	105,321	17.17	504,500	3,323,101
Belfry .....	Carbon.....	542	9,073	16.74	100,638	493,794
Bell Creek .....	Powder River.....	1,047,328	17,689,370	16.89	128,651,081	1,163,283,327
Benrud .....	Roosevelt.....	11,068	183,839	16.61	281,425	2,312,525
Benrud, East.....	Roosevelt.....	36,843	622,278	16.89	2,704,273	17,546,733
Benrud, Northeast .....	Roosevelt.....	8,626	146,038	16.93	967,965	4,347,267
Berthelote .....	Toole.....	1,087	19,207	17.67	58,470	318,066
Big Gully .....	Musselshell.....	760	12,373	16.28	98,964	1,468,126
Big Muddy Creek.....	Roosevelt.....	33,695	559,000	16.59	1,217,742	20,470,206
Big Rock .....	Glacier.....	340	5,695	16.75	10,764	262,921
Big Wall .....	Musselshell.....	70,575	1,113,674	15.78	7,518,896	34,936,089
Black Diamond .....	Wibaux.....	152,360	2,565,742	16.84	370,624	7,336,027
Blackfoot .....	Glacier.....	41,634	682,381	16.39	1,436,009	11,768,534
Blackleaf Canyon.....	Teton.....	540	5,546	10.27	32,365	796,529
Bloomfield .....	Dawson.....	88,135	1,418,974	16.10	354,701	7,424,801
Blue Mountain.....	Wibaux.....	6,417	109,217	17.02	46,045	1,072,545
Border .....	Toole.....	10,444	170,028	16.28	1,403,317	4,932,167
Bowes .....	Blaine.....	108,990	1,470,275	13.49	9,481,078	40,119,853
Box Canyon .....	Richland.....	11,197	193,036	17.24	196,924	6,025,458
Bradley.....	Glacier.....	2,060	31,271	15.18	248,355	1,604,058
Brady .....	Pondera.....	5,845	89,429	15.30	159,753	3,038,411
Breed Creek.....	Rosebud.....	77,050	1,255,915	16.30	1,092,603	22,376,496
Brorson-Madison .....	Richland.....	108,564	1,858,616	17.12	960,351	15,332,543
Brorson-Red River .....	Richland.....	42,671	730,528	17.12	2,174,097	14,458,996
Brorson, South.....	Richland.....	26,582	432,755	16.28	1,563,491	16,619,193
Brush Lake .....	Sheridan.....	70,019	1,200,126	17.14	2,460,070	23,155,595
Buffalo Flats .....	Chouteau.....	39	653	16.75	603	15,037
Burget, East .....	Roosevelt.....	21,765	345,846	15.89	157,216	3,878,658
Burns Creek .....	Dawson, Richland .....	3,500	63,595	18.17	240,813	2,890,120
Cabin Creek.....	Fallon.....	1,511,250	24,467,138	16.19	88,721,312	519,138,656
Canal .....	Richland.....	38,811	652,801	16.82	984,894	15,132,662
Cannonball .....	Fallon.....	2,708	46,605	17.21	57,183	1,840,270
Carlyle .....	Wibaux.....	6,731	115,033	17.09	269,345	6,231,802
Cat Creek.....	Petroleum, Garfield .....	57,707	964,284	16.71	23,432,882	68,172,057
Charlie Creek.....	Richland.....	28,619	472,500	16.51	661,997	11,628,314
Charlie Creek, East.....	Richland.....	74,438	1,261,724	16.95	358,358	9,817,365
Charlie Creek, North .....	Richland.....	2,424	39,729	16.39	41,655	1,151,992
Chelsea Creek .....	Roosevelt.....	15,409	268,733	17.44	77,912	1,321,873
Clark's Fork .....	Carbon.....	547	6,400	11.70	88,833	395,817
Clear Lake .....	Sheridan.....	271,803	4,713,064	17.34	2,185,097	51,008,831
Clear Lake, South.....	Sheridan.....	16,673	279,940	16.79	115,420	2,513,701
Coal Ridge .....	Sheridan.....	711	11,710	16.47	22,582	795,495
Colored Canyon.....	Sheridan.....	44,428	768,604	17.30	755,480	19,339,308
Comertown .....	Sheridan.....	145,830	2,495,151	17.11	1,751,518	49,016,206
Comertown, South .....	Sheridan.....	39,981	697,844	17.45	184,793	3,902,627

FIELD	COUNTY	PRODUCTION YEAR 1987			CUMULATIVE TO DECEMBER 31, 1987	
		BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
Conrad, South . . . . .	Pondera . . . . .	2,169	36,331	16.75	147,686	953,187
Cottonwood . . . . .	Richland . . . . .	19,224	316,235	16.45	134,229	2,947,429
Cow Creek, East . . . . .	McCone . . . . .	47,001	741,676	15.78	2,325,750	26,672,032
Crane . . . . .	Richland . . . . .	237,721	4,152,986	17.47	1,372,652	38,083,547
Crocker Springs, East . . . . .	Pondera . . . . .	28	482	17.23	1,448	41,472
Crooked Creek . . . . .	Yellowstone . . . . .	3,315	57,350	17.30	23,129	442,418
Cupton . . . . .	Fallon . . . . .	76,664	1,318,621	17.20	2,090,853	27,249,714
Cut Bank . . . . .	Glacier, Toole . . . . .	1,026,554	17,359,028	16.91	160,363,528	690,396,374
Dagmar . . . . .	Sheridan . . . . .	21,352	368,536	17.26	518,028	11,631,364
Dagmar, North . . . . .	Sheridan . . . . .	2,707	45,938	16.97	55,339	1,652,864
Deer Creek . . . . .	Dawson . . . . .	4,560	65,573	14.38	2,307,699	6,567,765
Delphia . . . . .	Musselshell . . . . .	3,060	50,674	16.56	323,630	1,500,239
Devil's Basin . . . . .	Musselshell . . . . .	3,975	66,661	16.77	107,278	1,661,750
Devil's Pocket . . . . .	Golden Valley . . . . .	7,866	120,979	15.38	37,277	739,503
Diamond Point . . . . .	Roosevelt . . . . .	68,846	1,124,944	16.34	645,690	14,549,629
Divide . . . . .	Sheridan . . . . .	152,551	2,533,872	16.61	1,461,937	39,081,601
Dooley . . . . .	Sheridan . . . . .	5,270	79,050	15.00	5,270	79,050
Dry Creek . . . . .	Carbon . . . . .	5,319	90,795	17.07	4,138,949	9,891,471
Dry Creek, Middle . . . . .	Carbon . . . . .	176	3,152	17.91	763	16,678
Dry Creek, West . . . . .	Carbon . . . . .	702	12,110	17.25	5,952	163,643
Dutch John Coulee . . . . .	Toole . . . . .	41,221	723,429	17.55	138,359	2,578,647
Dwyer . . . . .	Sheridan . . . . .	172,033	2,895,315	16.83	7,721,684	59,648,968
Eagle . . . . .	Richland . . . . .	111,100	1,893,144	17.04	1,455,202	35,480,434
East Glacier . . . . .	Glacier . . . . .	805	14,176	17.61	21,043	654,894
Elk Basin . . . . .	Carbon . . . . .	603,629	9,881,407	16.37	81,227,970	333,388,056
Elk Basin, Northwest . . . . .	Carbon . . . . .	125,602	2,097,553	16.70	1,343,298	7,434,671
Enid, North . . . . .	Richland . . . . .	14,300	245,531	17.17	252,433	6,839,602
Fairview . . . . .	Richland . . . . .	233,209	3,969,217	17.02	8,027,148	77,494,775
Fairview, East . . . . .	Richland . . . . .	15,872	273,316	17.22	341,190	10,253,617
Fairview, West . . . . .	Richland . . . . .	18,642	312,813	16.78	168,916	4,435,528
Fertile Prairie . . . . .	Fallon . . . . .	22,762	391,279	17.19	646,847	6,680,194
Fiddler Creek . . . . .	Stillwater . . . . .	20	335	16.75	2,574	50,224
Fishhook . . . . .	Sheridan . . . . .	63,315	1,047,863	16.55	922,279	26,182,574
Flat Coulee . . . . .	Liberty . . . . .	118,263	2,055,411	17.38	4,499,093	47,332,759
Flat Lake . . . . .	Sheridan . . . . .	308,027	4,629,646	15.03	14,725,841	119,446,099
Flat Lake, East . . . . .	Sheridan . . . . .	9,542	163,073	17.09	27,449	519,338
Flat Lake, South . . . . .	Sheridan . . . . .	26,595	398,925	15.00	1,147,838	12,759,658
Flaxville . . . . .	Daniels . . . . .	3,574	55,862	15.63	56,283	1,392,485
Fort Gilbert . . . . .	Richland . . . . .	85,659	1,463,912	17.09	1,972,929	28,248,645
Four Mile Creek . . . . .	Richland . . . . .	8,751	145,879	16.67	346,276	6,495,610
Four Mile Creek, West . . . . .	Richland . . . . .	8,373	145,355	17.36	245,995	5,561,994
Fox Creek . . . . .	Richland . . . . .	3,325	58,819	17.69	198,639	4,613,248
Fox Creek, North . . . . .	Richland . . . . .	1,582	24,648	15.58	68,782	1,768,174
Frannie . . . . .	Carbon . . . . .	4,020	64,642	16.08	760,832	2,785,859
Fred & George Creek . . . . .	Toole . . . . .	91,722	1,530,558	16.69	12,882,687	80,485,006
Frog Coulee . . . . .	Richland . . . . .	10,238	182,748	17.85	155,828	4,496,449
Froid, South . . . . .	Roosevelt . . . . .	6,424	110,814	17.25	214,840	2,144,555
Gage . . . . .	Musselshell . . . . .	6,192	103,592	16.73	632,979	3,136,254
Gas City . . . . .	Dawson . . . . .	102,958	1,711,162	16.62	9,865,062	52,385,760
Girard . . . . .	Richland . . . . .	29,759	496,380	16.68	343,359	3,527,080
Glendive . . . . .	Dawson . . . . .	187,574	3,295,675	17.57	12,399,450	61,944,413
Golden Dome . . . . .	Carbon . . . . .	3,051	55,010	18.03	72,030	976,139
Goose Lake . . . . .	Sheridan . . . . .	95,210	1,510,031	15.86	8,512,924	60,908,414



FIELD	COUNTY	PRODUCTION YEAR 1987			CUMULATIVE TO DECEMBER 31, 1987	
		BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
Goose Lake, West . . . . .	Sheridan . . . . .	46,199	812,178	17.58	414,963	11,086,235
Gossett . . . . .	Richland . . . . .	24,239	413,760	17.07	219,272	5,321,358
Graben Coulee . . . . .	Glacier . . . . .	74,812	1,272,552	17.01	1,943,311	22,955,284
Grandview, East . . . . .	Liberty . . . . .	3,524	62,375	17.70	39,310	975,380
Green Coulee . . . . .	Sheridan . . . . .	15,107	262,560	17.38	143,866	3,904,996
Gumbo Ridge . . . . .	Rosebud . . . . .	4,848	78,586	16.21	579,181	11,137,342
Gunsight . . . . .	Roosevelt . . . . .	25,148	421,983	16.78	168,789	4,142,293
Gypsy Basin . . . . .	Pondera . . . . .	19,807	333,154	16.82	445,576	7,089,034
Hardpan . . . . .	Pondera . . . . .	268	3,637	13.57	1,905	47,683
Hardscrabble Creek . . . . .	Richland . . . . .	10,276	181,577	17.67	101,220	2,545,152
Hawk Creek . . . . .	Musselshell . . . . .	506	8,228	16.26	10,348	121,415
Hay Creek . . . . .	Richland . . . . .	35,397	598,563	16.91	1,252,524	10,370,801
Hiawatha . . . . .	Musselshell . . . . .	23,099	381,826	16.53	1,515,741	9,291,174
High Five . . . . .	Rosebud . . . . .	105,562	1,752,329	16.60	2,103,213	45,017,244
Highview . . . . .	Pondera . . . . .	9,038	149,308	16.52	64,143	1,479,177
Honker . . . . .	Sheridan . . . . .	5,429	92,890	17.11	93,250	2,721,702
Horse Creek . . . . .	Liberty . . . . .	564	9,306	16.50	10,323	203,908
Howard Coulee . . . . .	Musselshell . . . . .	1,260	19,568	15.53	124,578	1,863,286
Injun Creek . . . . .	Rosebud . . . . .	3,832	69,398	18.11	117,387	2,891,710
Intake II . . . . .	Richland . . . . .	40,656	703,613	17.31	636,488	18,060,818
Ivanhoe . . . . .	Musselshell . . . . .	2,138	36,196	16.93	4,496,528	14,259,627
Jim Coulee . . . . .	Musselshell . . . . .	66,109	1,084,019	16.40	4,108,861	41,814,519
Katy Lake . . . . .	Sheridan . . . . .	21,380	360,681	16.87	106,271	1,875,816
Katy Lake, North . . . . .	Sheridan . . . . .	366,297	6,139,138	16.76	3,265,773	91,741,816
Keg Coulee . . . . .	Musselshell . . . . .	71,111	1,190,398	16.74	5,465,460	33,733,358
Keg Coulee, North . . . . .	Musselshell . . . . .	1,703	28,117	16.51	437,149	4,807,901
Kelley . . . . .	Musselshell . . . . .	9,183	153,264	16.69	977,976	5,783,634
Kevin Nisku Oil, East . . . . .	Toole . . . . .	58,760	1,017,723	17.32	208,186	3,991,366
Kevin-Sunburst . . . . .	Toole . . . . .	474,732	7,833,078	16.50	77,582,569	269,105,116
Kincheloe Ranch, West . . . . .	Rosebud . . . . .	34,313	565,478	16.48	512,550	14,449,650
Laird Creek . . . . .	Liberty . . . . .	5,916	103,353	17.47	571,082	4,600,713
Lambert . . . . .	Richland . . . . .	13,767	232,249	16.87	353,151	10,356,441
Lamesteer Creek . . . . .	Wibaux . . . . .	4,121	70,593	17.13	21,439	476,222
Landslide Butte . . . . .	Glacier . . . . .	46,290	798,965	17.26	237,689	4,395,970
Leary . . . . .	Powder River . . . . .	5,710	97,926	17.15	597,986	8,826,137
Little Beaver . . . . .	Fallon . . . . .	384,939	5,981,952	15.54	11,957,792	100,922,978
Little Beaver, East . . . . .	Fallon . . . . .	129,529	2,075,055	16.02	5,394,567	35,958,227
Little Phantom . . . . .	Toole . . . . .	2,069	29,380	14.20	49,545	1,049,750
Little Wall Creek . . . . .	Musselshell . . . . .	204,200	3,370,651	16.51	3,515,921	64,101,984
Lobo . . . . .	Sheridan, Roosevelt . . . . .	51,631	883,923	17.12	135,779	2,011,506
Lodge Grass . . . . .	Big Horn . . . . .	6,067	89,731	14.79	290,374	1,628,320
Lone Butte . . . . .	Richland . . . . .	44,157	742,721	16.82	525,653	8,822,448
Lonetree Creek . . . . .	Richland . . . . .	86,145	1,481,694	17.20	3,255,468	38,707,292
Lonetree Creek, West . . . . .	Richland . . . . .	40	628	15.71	33,026	1,020,504
Long Creek . . . . .	Roosevelt . . . . .	3,342	52,770	15.79	61,697	1,222,225
Long Creek, West . . . . .	Roosevelt . . . . .	41,736	725,372	17.38	542,089	11,973,811
Lookout Butte . . . . .	Fallon . . . . .	454,210	7,383,416	16.26	22,946,480	156,641,144
Lookout Butte, East . . . . .	Fallon . . . . .	49,514	867,485	17.52	87,803	1,404,679
Lowell . . . . .	Sheridan . . . . .	13,799	236,515	17.14	204,802	6,102,932
Lustre . . . . .	Valley . . . . .	487,906	7,651,756	15.68	3,238,185	72,411,638
Lustre, North . . . . .	Valley . . . . .	17,889	275,133	15.38	118,602	2,459,195
Mason Lake . . . . .	Musselshell . . . . .	9,788	157,293	16.07	934,241	23,110,294
McCabe . . . . .	Roosevelt . . . . .	11,433	198,363	17.35	214,881	5,561,370
McCabe, West . . . . .	Roosevelt . . . . .	10,076	175,322	17.40	64,051	1,423,323

FIELD	COUNTY	PRODUCTION YEAR 1987			CUMULATIVE TO DECEMBER 31, 1987	
		BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
McCoy Creek . . . . .	Sheridan . . . . .	6,753	116,422	17.24	31,987	652,556
Medicine Lake . . . . .	Sheridan . . . . .	245,669	4,257,444	17.33	2,672,427	78,682,199
Melstone . . . . .	Musselshell . . . . .	111,253	1,830,112	16.45	3,355,250	42,830,593
Midfork . . . . .	Valley . . . . .	35,657	573,365	16.08	91,374	1,342,340
Mineral Bench . . . . .	Roosevelt . . . . .	3,425	63,123	18.43	179,867	1,305,242
Missouri Breaks . . . . .	Richland . . . . .	20,566	353,324	17.18	266,068	7,321,108
Mon Dak, West . . . . .	Richland . . . . .	456,745	7,750,963	16.97	7,509,226	180,527,395
Mona . . . . .	Richland . . . . .	3,598	59,187	16.45	68,744	1,992,251
Monarch . . . . .	Fallon . . . . .	144,156	2,326,678	16.14	5,326,690	41,305,024
Mosser Dome . . . . .	Yellowstone . . . . .	9,868	147,921	14.99	358,165	2,653,823
Musselshell . . . . .	Musselshell . . . . .	2,763	45,258	16.38	30,318	414,937
Mustang . . . . .	Richland . . . . .	28,893	483,091	16.72	437,998	13,066,126
Neiser Creek . . . . .	Sheridan . . . . .	30,053	510,300	16.98	171,357	4,056,386
Ninemile . . . . .	Toole . . . . .	6,769	111,824	16.52	24,610	450,111
Nohly . . . . .	Richland . . . . .	541,908	9,375,662	17.30	3,098,133	53,037,563
Nohly, South . . . . .	Richland . . . . .	657	11,189	17.03	125,082	3,504,089
North Fork . . . . .	Richland . . . . .	25,081	427,631	17.05	418,840	8,919,592
Olje . . . . .	Sheridan . . . . .	29,997	517,148	17.24	109,533	1,979,876
Ollie . . . . .	Fallon . . . . .	10,527	170,537	16.20	204,086	6,564,015
Otis Creek . . . . .	Richland . . . . .	15,049	258,241	17.16	801,157	10,704,975
Otis Creek, South . . . . .	Richland . . . . .	28,925	477,552	16.51	195,042	4,851,272
Outlook . . . . .	Sheridan . . . . .	120,996	2,064,192	17.06	8,501,689	58,931,586
Outlook, South . . . . .	Sheridan . . . . .	2,406	43,332	18.01	692,013	2,864,506
Outlook, West . . . . .	Sheridan . . . . .	14,704	253,203	17.22	708,116	5,889,804
Oxbow . . . . .	Roosevelt . . . . .	26,142	452,779	17.32	325,833	7,206,901
Oxbow II . . . . .	Roosevelt . . . . .	7,059	123,462	17.49	34,402	756,254
Palomino . . . . .	Roosevelt . . . . .	140,625	2,484,950	17.67	1,193,298	32,416,303
Pelican . . . . .	Sheridan . . . . .	14,307	250,945	17.54	166,462	4,904,909
Pennel . . . . .	Fallon . . . . .	2,993,080	48,489,060	16.20	69,190,043	822,899,166
Pete Creek . . . . .	Toole . . . . .	1,127	17,119	15.19	18,241	391,648
Pine . . . . .	Fallon, Wibaux . . . . .	1,412,445	23,036,978	16.31	103,896,949	604,260,625
Pipeline . . . . .	Sheridan . . . . .	4,121	70,510	17.11	13,562	186,728
Pondera . . . . .	Pondera, Teton . . . . .	385,434	6,417,476	16.65	24,500,888	144,161,057
Pondera Coulee . . . . .	Teton . . . . .	5,200	84,812	16.31	56,350	801,184
Poplar, East . . . . .	Roosevelt . . . . .	182,392	3,082,425	16.90	44,955,055	172,834,201
Poplar, Northwest . . . . .	Roosevelt . . . . .	230,438	3,889,911	16.88	2,888,794	50,514,148
Prairie Dell . . . . .	Toole . . . . .	52	935	17.98	504	10,803
Prairie Elk . . . . .	McCone . . . . .	2,823	43,333	15.35	85,699	1,338,249
Prichard Creek . . . . .	Toole . . . . .	3,041	43,669	14.36	159,357	2,412,994
Pronghorn . . . . .	Sheridan . . . . .	29,209	501,226	17.16	356,026	9,272,669
Putnam . . . . .	Richland . . . . .	447,914	7,753,391	17.31	4,054,745	87,608,779
Rabbit Hills . . . . .	Blaine . . . . .	78,264	1,180,622	15.09	966,220	15,086,132
Ragged Point . . . . .	Musselshell . . . . .	90,623	1,496,136	16.51	3,777,950	31,733,378
Rainbow . . . . .	Richland . . . . .	11,628	201,630	17.34	114,447	3,087,637
Rattler Butte . . . . .	Rosebud . . . . .	31,054	513,633	16.54	843,647	22,851,823
Rattlesnake Butte . . . . .	Petroleum . . . . .	84,056	1,327,244	15.79	342,341	6,445,479
Rattlesnake Coulee . . . . .	Toole . . . . .	193	3,173	16.44	91,024	693,093
Raymond . . . . .	Sheridan . . . . .	169,303	2,930,635	17.31	4,182,705	74,773,754
Raymond, North . . . . .	Sheridan . . . . .	5,590	96,204	17.21	116,839	3,061,417
Reagan . . . . .	Glacier . . . . .	175,703	3,043,176	17.32	8,332,340	78,190,097
Red Bank . . . . .	Roosevelt . . . . .	111,183	1,820,066	16.37	1,473,636	41,571,965
Red Bank, South . . . . .	Roosevelt . . . . .	11,853	200,316	16.90	282,291	7,903,160
Red Creek . . . . .	Glacier . . . . .	99,587	1,576,462	15.83	5,984,700	31,874,185



FIELD	COUNTY	PRODUCTION YEAR 1987			CUMULATIVE TO DECEMBER 31, 1987	
		BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
Red Fox . . . . .	Roosevelt . . . . .	539	9,670	17.94	375,650	1,596,851
Red Water, East . . . . .	Richland . . . . .	17,504	301,769	17.24	180,509	4,467,448
Redstone . . . . .	Sheridan . . . . .	529	8,602	16.26	468,178	2,212,903
Refuge . . . . .	Sheridan . . . . .	15,285	267,182	17.48	155,063	4,625,732
Repeat . . . . .	Carter . . . . .	8,180	114,765	14.03	531,332	3,096,457
Reserve . . . . .	Sheridan . . . . .	23,656	404,281	17.09	1,591,063	14,058,195
Reserve II . . . . .	Sheridan . . . . .	24,770	447,594	18.07	24,770	447,594
Reserve, South . . . . .	Sheridan . . . . .	9,509	169,736	17.85	25,695	425,312
Richey . . . . .	Dawson, McCone . . . . .	5,104	87,158	17.08	1,991,356	7,036,296
Richey, Southwest . . . . .	McCone . . . . .	2,770	47,422	17.12	1,901,102	6,371,757
Ridgelawn . . . . .	Richland . . . . .	654,371	11,229,006	17.16	4,294,896	112,150,096
RipRap Coulee . . . . .	Roosevelt . . . . .	40,220	665,239	16.54	457,870	9,894,401
River Bend . . . . .	Richland . . . . .	21,029	342,142	16.27	169,607	4,400,484
Rocky Point . . . . .	Roosevelt . . . . .	21,455	371,815	17.33	420,048	10,917,248
Rosebud . . . . .	Rosebud . . . . .	9,661	156,701	16.22	439,071	6,844,395
Royals . . . . .	Dawson . . . . .	19,732	345,902	17.53	237,469	6,809,051
Rudyard . . . . .	Hill . . . . .	1,255	21,021	16.75	14,840	303,670
Runaway . . . . .	Teton . . . . .	147	2,305	15.68	3,798	110,455
Rush Mountain . . . . .	Sheridan . . . . .	17,494	309,294	17.68	543,126	5,632,385
Salt Lake . . . . .	Sheridan . . . . .	93,627	1,645,026	17.57	481,882	5,679,878
Sand Creek . . . . .	Dawson . . . . .	13,456	234,269	17.41	2,342,800	11,718,621
Second Creek . . . . .	Richland . . . . .	38,286	650,096	16.98	1,124,530	18,095,095
Shepherd . . . . .	Musselshell . . . . .	1,777	28,574	16.08	76,004	1,264,824
Shotgun Creek . . . . .	Roosevelt . . . . .	41,754	721,927	17.29	300,160	5,331,581
Sidney . . . . .	Richland . . . . .	115,967	2,027,103	17.48	2,822,420	56,544,852
Sidney, East . . . . .	Richland . . . . .	28,613	499,011	17.44	489,904	14,794,130
Singletree . . . . .	Roosevelt . . . . .	12,680	201,358	15.88	271,971	6,006,676
Sioux Pass . . . . .	Richland . . . . .	112,039	1,854,245	16.55	3,022,690	49,751,755
Sioux Pass, East . . . . .	Richland . . . . .	6,496	107,704	16.58	80,188	1,481,026
Sioux Pass, Middle . . . . .	Richland . . . . .	62,525	1,068,552	17.09	1,261,229	29,434,717
Sioux Pass, North . . . . .	Richland . . . . .	177,526	3,046,346	17.16	3,242,237	76,033,224
Sioux Pass, South . . . . .	Richland . . . . .	21,392	371,365	17.36	186,214	4,863,907
Snoose Coulee . . . . .	Liberty . . . . .	503	7,802	15.51	1,181	29,659
Snyder . . . . .	Big Horn . . . . .	2,248	29,831	13.27	455,551	1,754,860
Soap Creek . . . . .	Big Horn . . . . .	49,411	571,191	11.56	2,511,493	16,556,843
Soap Creek, East . . . . .	Big Horn . . . . .	11,055	143,052	12.94	118,318	2,190,864
South Fork . . . . .	Richland . . . . .	44,014	749,118	17.02	864,059	17,280,111
Spring Lake . . . . .	Richland . . . . .	31,350	522,918	16.68	877,916	6,858,668
Spring Lake, South . . . . .	Richland . . . . .	8,833	129,315	14.64	98,792	2,729,559
Spring Lake, West . . . . .	Richland . . . . .	7,470	130,725	17.50	23,352	404,569
Stampede . . . . .	Richland . . . . .	14,382	236,584	16.45	222,365	6,102,086
Stensvad . . . . .	Musselshell, Rosebud . . . . .	20,205	334,191	16.54	10,109,080	27,899,440
Studhorse . . . . .	Garfield . . . . .	22,135	330,254	14.92	156,790	3,544,302
Sumatra . . . . .	Rosebud . . . . .	461,075	7,709,174	16.72	42,486,205	301,568,222
Sunnyhill . . . . .	Sheridan . . . . .	7,588	126,340	16.65	206,622	5,257,603
Sunnyhill, West . . . . .	Sheridan . . . . .	17,444	292,361	16.76	106,502	2,407,179
Target . . . . .	Roosevelt . . . . .	36,028	616,439	17.11	533,957	14,258,311
Thirty Mile . . . . .	Blaine . . . . .	1,317	16,634	12.63	5,399	105,292
Three Buttes . . . . .	Richland . . . . .	31,051	534,388	17.21	302,389	8,319,517
Tippy Buttes . . . . .	Musselshell . . . . .	2,753	44,488	16.16	120,130	3,518,540
Tule Creek . . . . .	Roosevelt . . . . .	60,588	1,011,214	16.69	7,982,562	40,274,117
Tule Creek, East . . . . .	Roosevelt . . . . .	5,631	94,995	16.87	2,008,360	7,082,723
Tule Creek, South . . . . .	Roosevelt . . . . .	24,432	383,094	15.68	860,661	6,551,975

FIELD	COUNTY	PRODUCTION YEAR 1987			CUMULATIVE TO DECEMBER 31, 1987	
		BARRELS	VALUE	AVERAGE PRICE*	BARRELS	VALUE
Two Waters .....	Richland .....	16,292	279,897	17.18	145,663	4,126,694
Utopia .....	Liberty .....	40,839	677,927	16.60	514,176	11,380,605
Vaux .....	Richland .....	368,690	6,311,973	17.12	2,961,816	68,690,214
Vida .....	McCone .....	2,112	35,693	16.90	264,988	1,192,054
Volt .....	Roosevelt .....	77,404	1,299,613	16.79	2,887,939	23,991,879
Wakea .....	Sheridan .....	318,458	5,506,139	17.29	1,490,231	30,826,563
Weed Creek .....	Yellowstone .....	1,697	27,288	16.08	601,454	2,549,067
West Butte .....	Toole .....	5,506	91,400	16.60	285,599	2,902,814
Whitlash .....	Liberty, Toole .....	63,953	1,080,166	16.89	5,159,862	46,628,831
Whitlash, West .....	Toole .....	5,747	100,113	17.42	108,783	1,597,413
Willow Creek, North .....	Musselshell .....	11,819	196,550	16.63	322,975	3,117,675
Willow Ridge .....	Toole .....	2,430	42,646	17.55	42,190	1,013,048
Willow Ridge, South .....	Toole .....	79	1,435	18.16	3,267	102,156
Wills Creek, South .....	Fallon .....	22,031	350,073	15.89	1,052,398	8,473,454
Windmill .....	Richland .....	5,169	89,889	17.39	11,200	279,906
Winnett Junction .....	Musselshell .....	31,678	509,699	16.09	840,648	15,596,288
Wolf Springs .....	Yellowstone .....	19,591	302,877	15.46	4,658,372	14,220,202
Wolf Springs, South .....	Yellowstone .....	96,169	1,536,781	15.98	712,577	14,352,141
Woodrow .....	Dawson .....	13,714	236,292	17.23	1,128,871	5,730,991
Wrangler .....	Sheridan .....	43,937	739,460	16.83	403,771	11,319,579
Wrangler, North .....	Sheridan .....	5,417	85,643	15.81	99,639	3,142,150
Wright Creek .....	Powder River .....	7,961	153,488	19.28	274,340	3,197,534
Yates .....	Wibaux .....	9,020	151,897	16.84	53,902	1,471,751
Misc. Inactive Fields .....	.....				13,328,975	87,497,081
<b>TOTALS .....</b>	<b>.....</b>	<b>25,104,049</b>	<b>417,282,850</b>	<b>16.62</b>	<b>1,251,556,608</b>	<b>9,599,898,282</b>

\*Average price calculated from data provided by the Montana Department of Revenue.

# MISCELLANEOUS INACTIVE FIELDS AS OF DECEMBER 31, 1987

FIELD	BARRELS	VALUE
Ace High	3,686	45,448
Agawan	79	2,259
Alkali Coulee	19,546	635,465
Andes	21,175	646,333
Antelope, North	2,484	85,522
Anvil, North	9,446	330,277
Autumn	35,546	1,125,986
Bascom	27,830	65,674
Big Gully, North	23,952	535,803
Big Wall, North	7,218	116,302
Blackfoot, East	810	1,730
Blue Hill	162,251	3,110,843
Boulder	156,754	2,530,800
Bredette	232,121	2,062,125
Bredette, North	488,554	1,160,009
Buffalo Lake	936	26,493
Burget	6,504	228,647
Burns Creek, South	79,958	2,279,384
Butchers Creek	579	20,259
Bynum	5,971	15,320
Cadmus	1,173	3,381
Canadian Coulee	1,150	27,573
Clark Fork, North	1,024,608	2,895,208
Clark Fork, South	80,553	634,021
Corner Pocket	14,483	353,729
Cow Creek	127,813	1,304,283
Culbertson	175,652	1,134,101
Deadman's Coulee	264,528	8,048,112
Dean Dome	92,445	1,534,865
Dugout Coulee	66,740	2,205,099
Dunkirk, North	19	498
Epworth	55,142	1,909,226
Four Buttes	41,067	122,184
Gage, Southwest	16,289	37,397
Gettysburg	304	11,987
Glendive, South	68,936	2,009,079
Goose Lake, East	4,522	168,087
Grandview	9,784	196,936
Grebe	890	25,371
Green Coulee, East	62,942	1,741,899
Hawk Haven	7,392	236,689
Hibbard	215,904	1,978,565
Homestead	303	8,726
Jack Creek	1,310	3,275
Kicking Horse	1,526	48,566
Kippen, East	150	4,815
Krug Creek	15,288	538,314
Lake Basin	473,639	661,111
Lakeside	487	18,489
Lambert, North	36,552	1,221,300
Lariat	3,599	123,587
Laurel	1,017	36,458
Ledger	275	7,948
Line Coulee	57,789	138,495
Lisk Creek	1,939	70,297
Lone Rider	5,903	194,397
Lost Creek	1,534	42,905
Mackay Dome	77,334	1,538,558
Malcolm Creek	11,450	353,129

FIELD	BARRELS	VALUE
Mason Lake, North	17,923	442,087
McCabe, East	6,805	205,642
McCabe, South	6,599	208,261
Meander	3,761	99,571
Midby	70,172	2,300,577
Miners Coulee	152,152	1,129,578
Otter Creek	28,492	959,881
Pasture	2,869	90,868
Pasture Creek	1,914	62,789
Phantom	43,585	757,070
Pine, East	19,349	233,378
Plentywood	22,830	711,421
Pole Creek	169,726	277,956
Police Coulee	14	189
Poplar, Southeast	162,546	1,093,017
Raymond, Northeast	120,687	1,721,719
Red Water	52,023	1,521,507
Richey, East	10,386	333,467
Richey Area, West	11,062	403,670
Roscoe Dome	15,556	348,482
Rough Creek	3,599	10,583
Royals, South	3,082	101,400
Saturn	23,282	465,113
Scobey	3,916	145,674
Shotgun Creek, North	89,647	1,564,569
Smoke Creek	100,305	221,361
Snowden	1,938	70,607
Stampede, North	4,566	136,865
Two Medicine Creek	10,249	370,951
Viking	160	1,957
Wagon Box	32,379	575,263
Wagon Trail	43,321	1,297,560
Weldon	7,050,531	20,454,760
West Fork	6,671	229,773
Wibaux	23,580	42,945
Wolf Creek	1,979	2,275
Woman's Pocket	3,526	7,461
Yellowstone	39,405	72,518
Wildcat, Carbon County	6,368	13,559
Wildcat, Daniels County	3,508	7,787
Wildcat, Dawson County	1,489	42,127
Wildcat, Fallon County	10,683	29,485
Wildcat, Garfield County	468	13,166
Wildcat, Glacier County	48,231	124,918
Wildcat, Hill County	405	8,831
Wildcat, Liberty County	3,254	19,148
Wildcat, McCone County	12,575	41,467
Wildcat, Musselshell County	925	1,841
Wildcat, Powder River County	27,445	65,594
Wildcat, Richland County	339,856	818,099
Wildcat, Roosevelt County	86,968	259,956
Wildcat, Sheridan County	52,561	571,834
Wildcat, Stillwater County	11,283	13,365
Wildcat, Teton County	9,324	19,667
Wildcat, Toole County	36,379	128,683
Wildcat, Valley County	447	6,034
Wildcat, Wibaux County	8,388	25,416
TOTALS	13,301,819	86,668,187



# 1987 WELL COMPLETIONS

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL	POTENTIAL
							Oil B/D	Gas MCF/D
Beaverhead - 001								
Amoco Prod. Co., 21-12S-10W, McKnight Canyon 1	6	21012	Wildcat		06/20/86	16,000	0	0
Marathon Oil Co., 20-12S-5W, M-39477 1-20	6	21014	Wildcat		10/14/87	7,711	0	0
Big Horn - 003								
Presidio Expl., Inc., 6-6S-36E, Firebear 10-6	3	21197	Lodge Grass		01/21/87	6,534	0	0
Presidio Expl., Inc., 21-6S-36E, Crow 4-21	3	21198	Lodge Grass		02/19/87	6,550	0	0
Wiggs, Guy, 16-1S-32E, Kincaid 16-1	2	21169	Toluca	Frontier	04/04/83	1,378	0	20
Wiggs, Guy, 22-1S-32E, Herman 22-1	2	21170	Toluca	Frontier	04/02/83	1,250	0	28
Wiggs, Guy, 24-1S-32E, Herman 24-1	2	21172	Toluca	Frontier	04/01/83	1,251	0	20
Blaine - 005								
Brown, J. Burns Oper. Co., 22-32N-18E, Krebs 22-32-18	2	22423	Tiger Ridge		05/15/87	1,384	0	0
LYTM Co., Inc., 5-35N-22E, Revolden 7-5	6	22421	Wildcat		04/28/87	5,130	0	0
LYTM Co., Inc., 15-34N-24E, Modic 11-15	6	22422	Wildcat		05/07/87	4,760	0	0
Norfolk Energy, Inc., 7-26N-18E, Biebinger 7-14	3	22424	Sherard		06/30/87	2,020	0	0
Norfolk Energy, Inc., 32-32N-18E, Staff 32-16	2	22425	Tiger Ridge	Eagle	07/01/87	1,600	0	963
Norfolk Energy, Inc., 11-30N-17E, Blackwood 11-4	2	22426	Tiger Ridge	Eagle	07/04/87	1,650	0	115
Norfolk Energy, Inc., 36-32N-17E, State 36-16	2	22427	Tiger Ridge	Eagle	06/29/87	1,600	0	906
Norfolk Energy, Inc., 26-25N-18E, US 26-14	2	22428	Sherard	Eagle	06/25/87	1,950	0	1,500
Norfolk Energy, Inc., 9-25N-19E, Magda 9-3	3	22437	Sherard Unit		12/16/87	1,780	0	0
Norfolk Energy, Inc., 2-25N-19E, US 2-9	3	22438	Sherard Unit		12/16/87	1,850	0	0
Xeno, Inc., 35-36N-19E, Battle 16-35	2	22430	Battle Creek	Eagle	08/06/87	1,920	0	170
Xeno, Inc., 34-36N-19E, Battle 12-34	2	22431	Battle Creek	Eagle	08/02/87	1,800	0	369
Xeno, Inc., 29-36N-19E, Battle 2-29	2	22432	Battle Creek	Eagle	07/31/87	1,800	0	552
Xeno, Inc., 20-36N-19E, Battle 11-20	2	22433	Battle Creek	Eagle	07/27/87	1,800	0	1,756
Xeno, Inc., 33-36N-19E, Battle 13-33	2	22434	Battle Creek	Eagle	07/29/87	1,800	0	710
Xeno, Inc., 2-35N-19E, Chouteau 9-2	2	22435	Battle Creek	Eagle	08/04/87	1,865	0	611
Carbon - 009								
Amoco Prod. Co., 28-9S-23E, NW Elk Basin 8	1	21214	Elk Basin, NW	Madison	10/30/87	6,746	44	0
Amoco Prod. Co., 28-9S-23E, NW Madison 9	1	21215	Elk Basin, NW	Tensleep	12/07/87	7,248	10	0
Amoco Prod. Co., 28-9S-23E, NW Madison 10	1	21216	Elk Basin, NW	Madison	08/02/87	6,900	93	0
Amoco Prod. Co., 29-9S-23E, NWE8 Madison 11	1	21217	Elk Basin, NW	Madison	08/29/87	6,778	250	0
Montana Power Co., 4-7S-21E, Federal 12-4	2	05189	Dry Creek	Frontier	02/22/87	5,450	0	0
Montana Power Co., 4-7S-21E, Bowman Fee 8-4	2	21068	Dry Creek	Frontier	04/10/86	4,860	0	1,200
Montana Power Co., 2-7S-21E, Chapman 13-2	3	21165	Dry Creek	Virgelle	06/06/84	5,084	0	0
Montana Power Co., 11-7S-22E, Gaudina 13-11	2	21213	Golden Dome	Frontier	03/31/87	6,180	0	2,000
Tudex Petroleum Inc., 2-4S-24E, Langstaff 2-K	6	21211	Wildcat		09/30/86	1,435	0	0
Cascade - 013								
Nyvatec Montana Corp., 27-22N-1E, Neuman 27-1	6	21039	Wildcat		04/11/86	1,360	0	0
Nyvatec Montana Corp., 26-20N-2E, Friedman 26-1	6	21040	Wildcat		04/06/86	1,215	0	0
Nyvatec Montana Corp., 26-20N-2E, Friedman 26-1XD	6	21043	Wildcat		05/04/86	3,760	0	0
Nyvatec Montana Corp., 27-22N-1E, Neuman 27-3	6	21044	Wildcat		05/22/86	1,385	0	0
Nyvatec Montana Corp., 27-22N-1E, Neuman 27-4	6	21045	Wildcat		05/30/86	1,406	0	0
Nyvatec Montana Corp., 27-22N-1E, Neuman 27-2	6	21046	Wildcat		05/16/86	1,370	0	0
Nyvatec Montana Corp., 24-20N-2E, RSGL 24-31	6	21048	Wildcat		09/21/86	3,700	0	0
Nyvatec Montana Corp., 27-22N-1E, Neuman 27-5	6	21049	Wildcat		09/28/86	1,354	0	0
Chouteau - 015								
Brown, J. Burns Oper. Co., 19-26N-17E, Shubat 19-26-17	6	21649	Wildcat		07/07/87	1,605	0	0
Exxon Corp., 8-25N-3E, George Gemar 8-1	8	21639	Wildcat		10/24/86	1,872	0	0
Exxon Corp., 17-25N-3E, Pugh Rossmiller 17-1	6	21640	Wildcat		08/10/87	1,770	0	0
Louisiana Land and Expl., 10-29N-11E, Federal 41-1	6	21644	Wildcat		12/17/87	4,960	0	0
Montana Power Co., 20-27N-14E, State 5-20	5	21646	Wildcat	Virgelle	01/14/87	1,200	0	150
Montana Power Co., 32-27N-14E, State 11-32	6	21647	Wildcat		05/13/87	1,325	0	0
Montana Power Co., 17-27N-14E, State 12-17	3	21651	Little Creek		09/02/87	1,207	0	0
SV Limited, 7-25N-3E, Maurer 1-7	6	21650	Wildcat		08/07/87	1,806	0	0

# 1987 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	Oil B/D	Gas MCF/D
Dawson - 021								
Robinson Resource Dev., 11-19N-53E, Cranston 21-11	1	21112	Bloomfield, East	Interlake	02/20/87	11,280	80	15
Robinson Resource Dev., 11-19N-53E, Slemaker 23-11	1	21115	Bloomfield	Red River	11/12/87	11,184	25	10
Shell Western E&P Inc., 26-15N-54E, 34X-26 SWD	7	21111	Glendive		03/24/87	4,800	0	0
Shell Western E&P Inc., 26-15N-54E, Lloyd 1 44X-26	1	21114	Glendive	Red River	05/05/87	9,138	303	65
Texaco Inc., a Delaware Corp., 6-16N-54E, J.M. Elper 2	1	21116	Woodrow	Interlake	10/13/87	10,150	172	18
Texaco Inc., a Delaware Corp., 36-15N-54E, MT State D 6	1	21117	Glendive	Red River	12/23/87	9,134	38	0
Fallon - 025								
Cenergy Expl. Co., 31-9N-59E, Cenergy Krik 12-31	3	21389	Monarch		08/29/85	9,040	0	0
Meridian Oil, Inc., 11-6N-60E, MOI 42-11	1	21190	Lookout Butte East	Lodgepole	02/07/87	8,960	119	27
Meridian Oil, Inc., 13-6N-60E, MDU/MOI 21-13	1	21434	Lookout Butte East	Red River	10/01/87	8,985	32	0
Shell Western E&P Inc., 2-8N-59E, Unit 44-2	7	21394	Pennel		08/25/87	9,200	0	0
Shell Western E&P Inc., 4-8N-59E, Unit (U5A) 13-4R	3	21395	Pennel		07/13/85	949	0	0
Shell Western E&P Inc., 16-5N-59E, State 31-16	6	21407	Wildcat		04/23/86	10,353	0	0
Shell Western E&P Inc., 19-4N-62E, Unit 33-19R	1	21411	Little Beaver	Red River	01/31/87	8,602	81	6
Shell Western E&P Inc., 29-10N-58E, BNRR 44X-29	1	21412	Cabin Creek	Red River	03/13/87	9,048	244	91
Shell Western E&P Inc., 8-4N-62E, Billings 31X-08	1	21414	Little Beaver, East	Red River	01/02/87	8,477	81	11
Shell Western E&P Inc., 36-8N-59E, State 12X-36	1	21415	Pennel	Siluro-Ord	02/03/87	8,981	153	25
Shell Western E&P Inc., 12-7N-59E, Unit 33-12A	1	21416	Pennel	Siluro-Ord	02/03/87	8,859	85	38
Shell Western E&P Inc., 13-4N-61E, Unit 8-B 11X-13	1	21418	Little Beaver	Red River	05/21/87	8,627	120	3
Shell Western E&P Inc., 11-6N-60E, Unit 13-11	1	21421	Lookout Butte	Red River	07/30/87	8,988	85	6
Shell Western E&P Inc., 25-8N-59E, Unit 12X-25	1	21422	Pennel	Red River				
				Stoney Mtn	07/24/87	8,957	144	17
Shell Western E&P Inc., 19-8N-60E, Unit 13-19C	7	21423	Pennel		06/29/87	9,113	0	0
Shell Western E&P Inc., 24-8N-59E, Unit 14X-24	1	21424	Pennel	Red River				
				Stoney Mtn	10/23/87	8,969	45	5
Shell Western E&P Inc., 24-8N-59E, Unit 24X-24	1	21425	Pennel	Red River				
				Stoney Mtn	08/13/87	9,007	75	24
Shell Western E&P Inc., 24-8N-59E, Unit 31-24	1	21426	Pennel	Red River	08/31/87	9,120	49	12
Shell Western E&P Inc., 4-7N-60E, Unit 13-4B	7	21427	Pennel		10/21/87	9,260	0	0
Shell Western E&P Inc., 24-8N-59E, Unit 33X-24	1	21428	Pennel	Red River	11/10/87	9,070	23	5
Shell Western E&P Inc., 13-8N-59E, Unit 33-13	1	21429	Pennel	Red River	10/02/87	9,126	122	28
Shell Western E&P Inc., 29-5N-61E, Unit 31-29	1	21430	Little Beaver	Red River	10/13/87	8,607	25	0
Shell Western E&P Inc., 15-8N-59E, Unit 33-15	1	21431	Pennel	Red River	10/16/87	8,937	150	20
Shell Western E&P Inc., 20-8N-60E, Unit 13-20C	7	21432	Pennel		12/29/87	9,194	0	0
Shell Western E&P Inc., 19-4N-62E, Unit 31X-19	3	21433	Little Beaver		07/28/87	7,658	0	0
Shell Western E&P Inc., 25-8N-59E, Unit 31-25R	7	21435	Pennel	Red River	09/24/87	9,039	0	0
Shell Western E&P Inc., 13-4N-61E, Unit 8B 44-13R	1	21436	Little Beaver	Red River	11/02/87	8,595	91	0
Shell Western E&P Inc., 14-6N-60E, Unit 11-14	1	21437	Lookout Butte	Red River	11/18/87	9,000	30	3
Shell Western E&P Inc., 10-6N-60E, Unit 42-10R	1	21438	Lookout Butte	Red River	12/09/87	8,994	57	6
Shell Western E&P Inc., 22-8N-59E, Unit 22-22	1	21439	Pennel	Red River	12/18/87	8,926	13	1
Shell Western E&P Inc., 10-6N-60E, Unit 11-10	1	21443	Lookout Butte	Red River	12/30/87	8,965	66	4
Wesco Operating, Inc., 30-9N-60E, Schweigert 14-30	1	21330	Cupton	Red River	05/13/87	9,785	7	0
Williston Basin Int. Pip, 19-4N-62E, BN Relief Well 450	7	21449	Cedar Creek		12/07/87	1,636	0	0
Fergus - 027								
Cone & Petree Oil & Gas, 4-16N-23E, Brandt 1	6	21219	Wildcat		09/13/87	4,848	0	0
Cone & Petree Oil & Gas, 6-16N-23E, Brandt 2	6	21220	Wildcat		09/20/87	2,650	0	0
Hughes Texas Petroleum, Ltd., 1-16N-22E, Eileen Brandt 1	6	21218	Wildcat		10/20/86	4,840	0	0
Gallatin - 031								
Sohio Petroleum Co., 1-2S-6E, Moats 1-3	6	21002	Wildcat		06/30/86	14,040	0	0
Glacier - 035								
Bacon, J. R. Drilling, Inc., 36-32N-6W, SWCBSU 96-W8	7	21778	Cut Bank		11/10/87	3,131	0	0
Bacon, J. R. Drilling, Inc., 36-32N-6W, SWCBSU 96-6	1	21779	Cut Bank	Cut Bank	09/28/87	3,158	8	0
Bacon, J. R. Drilling, Inc., 36-32N-6W, SWCBSU 97-W2	7	21780	Cut Bank		10/20/87	3,118	0	0
Gypsy Highview Gathering System, 7-37N-5W, Lozing 1	8	21718	Blackfoot, East	Cut Bank	12/19/84	3,370	0	0
Gypsy Highview Gathering System, 7-37N-5W, Weiss 7-3	8	21719	Blackfoot, East	Cut Bank	01/23/85	3,400	0	0
Gypsy Highview Gathering System, 7-37N-5W, Losing 7-2	8	21726	Blackfoot, East	Cut Bank	03/20/85	3,430	0	0
Montana Power Co., 24-34N-5W, Delaney Unit 13-24	2	21764	Cut Bank		04/25/87	2,629	0	150
Monte Grande Expl., Inc., 11-37N-5W, Ralph Swensen 11-1	8	21665	Graben Coulee		03/21/87	2,790	0	0



# 1987 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL	POTENTIAL
							Oil B/D	Gas MCF/D
Terra Resources, Inc., 1-36N-6W, Brindley 6	1	21782	Cut Bank	Madison	10/04/87	3,278	1	0
Union Oil Co. of CA, 19-33N-5W, SCC8SU 57-5	7	21765	Cut Bank		11/03/87	3,045	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 49-11	7	21766	Cut Bank		11/05/87	3,178	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 38-9	7	21767	Cut Bank		11/04/87	3,105	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 38-10	7	21768	Cut Bank		10/15/87	3,080	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 49-5X	7	21769	Cut Bank		10/29/87	3,116	0	0
Union Oil Co. of CA, 19-33N-5W, SCC8SU 49-8X	7	21770	Cut Bank		10/30/87	3,181	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 49-9	7	21771	Cut Bank		11/05/87	3,170	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 49-10	7	21772	Cut Bank		10/30/87	3,125	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 61A-8	1	21773	Cut Bank	Cut Bank	10/16/87	3,085	0	0
Union Oil Co. of CA, 13-33N-6W, SCC8SU 54-7	7	21774	Cut Bank		11/03/87	3,100	0	0
Union Oil Co. of CA, 13-33N-6W, SCC8SU 54-8	7	21775	Cut Bank		11/01/87	3,110	0	0
Union Oil Co. of CA, 24-33N-6W, SCC8SU 56-5	7	21776	Cut Bank		11/02/87	2,990	0	0
Union Oil Co. of CA, 18-33N-5W, SCC8SU 49-12	7	21781	Cut Bank		11/06/87	3,154	0	0
Wold Oil Properties, 34-32N-6W, Tribal 3426	1	21783	Cut Bank	Cut Bank	12/10/87	3,450	19	0
Wold Oil Properties, 34-32N-6W, Tribal 3425	1	21785	Cut Bank	Cut Bank	10/17/87	3,373	17	0
<b>Hill - 041</b>								
Brown, J. Burns Oper. Co., 33-33N-15E, Robinson 33-33-15	2	22369	Badlands		06/15/87	1,200	0	0
Brown, J. Burns Oper. Co., 13-32N-15E, Sterrett 13-32-15	3	22370	Tiger Ridge		06/05/87	1,225	0	0
Brown, J. Burns Oper. Co., 5-32N-15E, State 5-32-15D	5	22372	Wildcat		06/11/87	1,150	0	0
Brown, J. Burns Oper. Co., 19-33N-14E, Federal 19-33-14	3	22373	Fresno & Area		07/29/87	1,163	0	0
Brown, J. Burns Oper. Co., 19-37N-17E, 8eatty 19-37-17	6	22374	Wildcat		08/15/87	1,720	0	0
Brown, J. Burns Oper. Co., 4-34N-16E, Schwartz 4-34-16	6	22376	Wildcat		10/20/87	1,480	0	0
Louisiana Land and Expl., 18-31N-12E, State 12-1	6	22358	Wildcat		11/11/86	5,451	0	0
LYTM Co., Inc., 18-34N-17E, Davis 18-34-17	6	22377	Wildcat		10/31/87	1,486	0	0
Montana Power Co., 22-33N-11E, Murr 7-22	6	22371	Wildcat		06/14/87	3,880	0	0
Norfolk Energy, Inc., 4-31N-17E, Staton 4-3	3	22362	Tiger Ridge		06/25/87	1,550	0	0
Norfolk Energy, Inc., 35-32N-17E, O'Neil 35-13	2	22363	Tiger Ridge	Eagle	07/11/87	1,600	0	1,285
Norfolk Energy, Inc., 9-30N-15E, Golie 9-4	2	22364	Tiger Ridge	Eagle	07/21/87	1,400	0	337
Norfolk Energy, Inc., 24-31N-14E, Becker 24-1	2	22365	Tiger Ridge	Eagle	07/13/87	1,400	0	690
Norfolk Energy, Inc., 20-31N-15E, Dahlin 20-9	2	22366	Tiger Ridge	Eagle	07/16/87	1,465	0	695
Norfolk Energy, Inc., 31-32N-15E, Sands 31-1	2	22367	Tiger Ridge	Eagle	07/11/87	1,300	0	1,152
Norfolk Energy, Inc., 23-30N-15E, Nystrom 23-4	2	22368	Tiger Ridge	Eagle	07/24/87	1,856	0	740
<b>Liberty - 051</b>								
Branch, Jerry L., 18-35N-4E, Pletsch 1-18	5	21663	Wildcat	Rierdon	09/07/87	2,802	0	270
Great Northern Drilling Co., 18-37N-6E, Federal A 12-18	3	21664	Sage Creek		10/12/87	3,040	0	0
<b>Madison - 057</b>								
Helis, Est. of William G., 27-8S-5W, Conley Ranch 1-27	6	21004	Wildcat		05/11/84	3,263	0	0
Helis, Est. of William G., 27-8S-1E, Boomhower 1-27	6	21007	Wildcat		07/08/84	6,382	0	0
<b>Musselshell - 065</b>								
Bass Enterprises Prod. Co., 14-11N-27E, First CC 14-31	6	21768	Wildcat		10/20/87	3,700	0	0
Beartooth Oil & Gas Co., 30-10N-27E, Chris Lackey 1	6	21752	Wildcat		10/20/86	3,800	0	0
8HP Petroleum (Americas) Inc., 11-10N-26E, 8N Fee 10-11	6	21746	Wildcat		09/26/86	3,360	0	0
8HP Petroleum (Americas) Inc., 8-11N-30E, Cotter 4-8	1	21758	Ragged Point	Tyler	07/20/87	3,560	48	0
Conoco Inc., 23-11N-26E, Eliasson 23 1	6	21759	Wildcat		06/16/87	3,950	0	0
CSX Oil & Gas Corp., 28-10N-28E, Goffena 31-28	6	21769	Wildcat		10/25/87	4,575	0	0
Mallon Oil Co., 34-9N-24E, Kindelman 11-34	1	21762	Mason Lake	Cat Creek 1	09/07/87	4,240	6	2
Petroleum, Inc., 19-10N-31E, Jennaway 1	6	21770	Wildcat		11/19/87	5,300	0	0
Sun Expl. and Prod., 16-10N-29E, Melstone 1	6	21756	Wildcat		02/25/87	4,303	0	0
Sun Expl. and Prod., 13-11N-29E, 8N 1	6	21764	Wildcat		08/07/87	4,200	0	0
Tuck, L. L., 27-11N-30E, Clara 1	6	21763	Wildcat		07/06/87	4,636	0	0
Valero Producing Co., 2-10N-28E, Musselshell 14-2 1	6	21747	Wildcat		10/30/86	4,189	0	0
Valero Producing Co., 8-10N-28E, Munson 42-8 1	6	21748	Wildcat		11/07/86	4,150	0	0
Valero Producing Co., 36-11N-27E, State 44-36 1	6	21751	Wildcat		11/18/86	4,000	0	0
Valero Producing Co., 9-10N-28E, Goffena 21-9 2	1	21757	Wildcat	Tyler	07/18/87	4,200	108	0
<b>Park - 067</b>								
Montana Power Co., 24-5S-8E, Hobbs 6-24	6	21009	Wildcat		08/05/85	5,368	0	0

# 1987 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL Oil B/D	POTENTIAL Gas MCF/D
<b>Petroleum - 069</b>								
Basso, Lindberg, Westwood, Wol, 32-16N-28E, Lindberg Wadman 1	6	21130	Wildcat		05/29/85	1,815	0	0
Carnell, E. F., 21-15N-30E, Olson-Jensen 4	1	21143	Cat Creek, Mosby Dome	Cat Creek 2	08/26/87	1,600	20	0
Mobil Oil Corp., 30-18N-29E, Fed Dovetail F34-30G	6	21142	Wildcat		05/05/87	7,800	0	0
<b>Pondera - 073</b>								
Bacon, J. R. Drilling, Inc., 35-27N-2E, State 1-35	6	21722	Wildcat		05/19/87	1,004	0	0
Balcron Oil Co., 24-29N-2W, McCracken 18A-24	3	21724	Ledger		07/21/87	960	0	0
Balcron Oil Co., 36-30N-1W, State 2B-36	2	21725	Ledger	Bow Island	07/11/87	1,340	0	263
Balcron Oil Co., 17-29N-1W, McCracken 17A-17	2	21726	Ledger	Bow Island	06/24/87	570	0	0
Balcron Oil Co., 31-29N-1W, Orcutt 1-31	2	21727	Ledger	Bow Island	07/08/87	803	0	131
Balcron Oil Co., 7-29N-1W, McCracken 16A-7	3	21728	Ledger		07/03/87	805	0	0
Balcron Oil Co., 23-29N-2W, Wipperman 1-23	2	21729	Ledger	Bow Island	06/21/87	639	0	90
Balcron Oil Co., 20-29N-1W, McCracken 19A-20	2	21730	Ledger	Bow Island	06/24/87	648	0	6
Balcron Oil Co., 9-29N-1W, Chick 2-9	3	21731	Ledger		07/10/87	1,260	0	0
Balcron Oil Co., 19-29N-1W, Iverson 7-19	2	21732	Ledger	Bow Island	10/26/87	576	0	11
<b>Powder River - 075</b>								
Conoco Inc., 2-9S-49E, Conoco Federal 2 1	6	22201	Wildcat		04/05/87	6,730	0	0
Mitchell Energy Corp., 17-9S-51E, MEC Geer 34-17	6	22202	Wildcat		10/15/87	8,165	0	0
True Oil Co., 25-9S-47E, Oxy-State 34-25	6	22197	Wildcat		04/14/87	6,990	0	0
True Oil Co., 31-9S-51E, Cone Federal 13-31	6	22198	Wildcat		03/07/87	6,490	0	0
True Oil Co., 20-8S-52E, Baxter Federal 44-20	6	22199	Wildcat		03/29/87	5,340	0	0
<b>Powell - 077</b>								
Medallion Oil Co., 13-7N-10W, State 1-13	6	21004	Wildcat		09/07/87	7,648	0	0
Medallion Oil Co., 25-7N-10W, State 1-25	6	21005	Wildcat		12/04/87	9,372	0	0
<b>Richland - 083</b>								
ANR Limited Inc., 5-22N-60E, Morse et al 22-5	1	21762	Mondak, West	Red River	12/03/87	12,978	384	269
ANR Prod. Co., 25-23N-59E, Jackson 5-25	1	21752	Mondak, West	Interlake	01/11/87	12,000	206	127
ANR Prod. Co., 2-21N-58E, Bakken 22-2	1	21758	Crane	Red River				
				Interlake	10/30/87	12,125	719	344
BWAB Incorporated., 35-24N-59E, Asbeck 35-44	1	21755	Ridgelawn	Duperow	05/03/87	10,900	460	549
Cenergy Expl. Co., 27-26N-59E, Rasmussen 31-27	1	21761	Nohly	Nisku	11/21/87	10,750	410	300
Cenex, 16-23N-58E, State 8-16	1	21167	Vaux	Mission Canyon	01/20/87	10,500	153	81
Cenex, 27-23N-58E, Simard 6-27	1	21651	Vaux	Mission Canyon	01/13/87	10,411	115	63
Pennzoil Co., 26-26N-59E, Nohly 3F	1	21753	Nohly	Ratcliffe	02/17/87	10,730	80	27
Slawson, Donald C., Oil Prod., 9-25N-55E, Tiller 1-9	4	21750	Charlie Creek, East**	Duperow	01/12/87	11,950	350	500
Slawson, Donald C., Oil Prod., 13-31N-38E, McGinnis 1-12	6	21754	Wildcat		01/04/87	12,800	0	0
Slawson, Donald C., Oil Prod., 5-25N-59E, Lund 1-5	4	21759	Wildcat	Ratcliffe	11/08/87	12,800	295	141
Slawson, Donald C., Oil Prod., 34-25N-55E, McVay 2-34	6	21760	Wildcat		11/14/87	12,077	0	0
SV Limited, 15-25N-58E, Prather Anvik 1-15	3	21402	Fairview		09/18/87	13,300	0	0
Texaco Inc., a Delaware Corp., 28-25N-59E, South Nohly 28-14X	1	21757	Fairview, East	Stonewall	09/14/87	12,869	170	85
Union Texas Petroleum Corp., 20-25N-56E, Amy Schow 20-1	4	21756	Hardscrabble Creek**	Red River	07/09/87	12,313	102	0
<b>Roosevelt - 085</b>								
ANR Prod. Co., 13-29N-48E, Matejovsky 1	6	21542	Wildcat		10/18/87	7,700	0	0
Atlantic Richfield Co., 31-30N-47E, Toavs 31-1	6	21546	Wildcat		12/24/87	7,650	0	0
Duncan, Raymond T., 15-27N-59E, Wilson 1	6	21535	Wildcat		04/12/87	13,175	0	0
Exxon Corp., 9-28N-46E, Nancy Buck Elk 1	6	21533	Wildcat		12/31/86	6,300	0	0
ITR Petroleum (Delaware), Inc., 20-31N-47E, McLachlan 14-20	6	21534	Wildcat		11/28/86	7,657	0	0
Sun Expl. and Prod., 33-30N-49E, MRA Bardell 1	6	21541	Wildcat		10/04/87	8,150	0	0
Xeno, Inc., 20-30N-48E, Eagle 6-20	3	21536	Tule Creek		03/05/87	7,780	0	0
Xeno, Inc., 24-30N-47E, Houg 7-24	3	21537	Tule Creek		05/29/87	7,780	0	0
<b>Rosebud - 087</b>								
McRae Expl. & Prod., 34-11N-32E, Kincheloe 1	1	21602	Little Beaver	Tyler	10/29/87	4,990	37	0
Meridian Oil, Inc., 20-12N-33E, Hunt 12-20	6	21596	Wildcat		07/20/87	2,435	0	0
Natural Resource Management, 29-6N-42E, Harstad 1	6	21598	Wildcat		11/17/87	2,750	0	0

# 1987 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL	POTENTIAL
							Oil B/D	Gas MCF/D
Natural Resource Management, 32-6N-43E, 8ott 1	6	21601	Wildcat		10/22/87	3,476	0	0
Smokey Oil Co., 19-11N-33E, Eich 33-19	6	21604	Wildcat		12/31/87	4,960	0	0
Sun Expl. and Prod., 4-9N-36E, Jubilee-Patricia 1	6	21599	Wildcat		09/23/87	4,650	0	0
Tuck, L. L., 23-11N-31E, Stensvad 1	8	21579	Wildcat		11/20/85	4,329	0	0
Tuck, L. L., 11-10N-32E, Sibley 1	6	21595	Wildcat		11/05/86	4,990	0	0
Tuck, L. L., 29-11N-32E, Kincheloe 8-29	6	21597	Wildcat		04/14/87	4,830	0	0
Tuck, L. L., 1-11N-32E, Coffee 23-1	6	21600	Ace High		09/28/87	5,964	0	0
Tuck, L. L., 1-11N-32E, C.M. Coffee 2	6	21603	Ace High		10/29/87	5,956	0	0
<b>Sheridan - 091</b>								
American Hunter Expl., 20-36N-52E, Lund 13-20	6	21620	Wildcat		10/18/87	8,933	0	0
Cenex, 14-36N-52E, Wexels 14-14	3	21590	Outlook		08/06/87	9,100	0	0
Coastal Oil & Gas Corp., 35-35N-58E, Christensen 1	6	21608	Wildcat		02/23/87	10,134	0	0
Conoco Inc., 32-34N-57E, Conoco Erickson 32 1	6	21609	Wildcat		02/28/87	11,463	0	0
Conoco Inc., 2-37N-55E, Sames et al 2 1	6	21616	Wildcat		06/29/87	10,430	0	0
Gary, Samuel Jr. & Associates, 2-33N-58E, Albert Melby 1	3	21102	Brush Lake		10/27/87	11,192	0	0
Ladd Petroleum Corp., 16-33N-58E, State 2A	1	21610	Clear Lake	Ratcliffe	03/03/87	7,830	80	35
Ladd Petroleum Corp., 21-33N-58E, Theusen Sorenson 2	3	21619	Clear Lake		10/10/87	11,330	0	0
Meridian Oil, Inc., 14-34N-58E, Onstad 22-14	4	21615	Divide**	Red River	06/26/87	11,398	334	132
Reef Oil Corp., 13-37N-51E, Irelan-Robinson 1	6	21605	Wildcat		11/15/86	9,000	0	0
Slawson, Donald C., Oil Prod., 5-33N-58E, Clear Lake 1-5	4	21613	Clear Lake**	Red River	06/06/87	11,300	120	59
Slawson, Donald C., Oil Prod., 29-36N-56E, Lee 1-29	6	21622	Wildcat		11/11/87	10,950	0	0
Sun Expl. and Prod., 31-35N-55E, H. Furst 1	6	21607	Wildcat		06/07/87	10,730	0	0
Sun Expl. and Prod., 12-37N-56E, Shirley Joyes 1	1	21612	Salt Lake	Red River	05/27/87	10,295	195	0
Sun Expl. and Prod., 24-33N-55E, Connolet Trust 1	6	21614	Wildcat		05/10/87	4,847	0	0
Sun Expl. and Prod., 24-33N-55E, Connolet Trust 1A	4	21617	Reserve II***	Red River	09/03/87	11,283	284	0
SV Limited, 4-33N-55E, Lund Ranch 4-32	3	21385	Green Coulee		06/02/87	11,100	0	0
True Oil Co., 12-37N-56E, Joyes-FL 8 23-12	1	21606	Salt Lake	Red River	01/13/87	10,554	364	92
Union Texas Petroleum Corp., 5-37N-55E, Daryle Syme 5-1	4	21623	Wildcat	Ratcliffe	11/05/87	6,530	188	2
Wyoming Resources Corp., 1-33N-55E, Murray 1	1	21621	Wakea	Nisku	10/30/87	10,975	152	96
<b>Stillwater - 095</b>								
Energy Rock Inc., 29-4N-20E, 8rickley Deep 2	2	21099	Big Coulee	Morrison	05/30/86	3,786	0	200
Energy Rock Inc., 30-15-22E, Lackman 16-30	5	21200	Wildcat	Telegraph Creek	06/26/85	1,404	0	0
Energy Rock Inc., 29-4N-20E, LeBaron 6-29	6	21210	Wildcat		05/05/86	1,695	0	0
Montana Power Co., 2-3n-20e, Rapelridge 11-2	6	21189	Wildcat		10/23/83	2,350	0	0
West Gas, Inc., 34-1N-21E, Lutgen 3-34	3	21212	Lake Basin		06/01/87	1,550	0	0
West Gas, Inc., 34-1N-21E, Leuthold 9-34	2	21214	Lake Basin	Eagle	11/03/86	1,510	0	50
West Gas, Inc., 34-1N-21E, Leuthold 11-34	2	21215	Lake Basin	Claggert	12/08/86	1,590	0	45
West Gas, Inc., 22-3N-21E, 8radbrook 16A-22	3	21216	Lake Basin		06/22/87	1,386	0	0
West Gas, Inc., 2-15-21E, Leuthold 1-2	3	21217	Lake Basin		07/26/87	1,566	0	0
West Gas, Inc., 34-2N-21E, Dannenberg 7-34	2	21218	Lake Basin, North	Mowry	10/12/87	4,323	0	100
<b>Sweet Grass - 097</b>								
Energy Rock Inc., 9-3N-18E, Cremer 12-9	2	21040	Little Basin	Claggert	12/01/83	1,060	0	0
Montana Power Co., 33-15-17E, Jacob 8ue 7-33	8	21023	Wildcat	Virgelle	06/19/87	2,400	0	0
Montana Power Co., 2-25-17E, 8ooth 8-2	6	21041	Wildcat		01/07/87	4,675	0	0
Montana Power Co., 3-25-17E, Mysse 7-3	6	21042	Wildcat		12/22/87	4,814	0	0
<b>Teton - 099</b>								
Brown, J. Burns Oper. Co., 20-24N-4W, Airport 1-20	6	21268	Wildcat		06/05/87	2,332	0	0
Mountain States Resources, Inc, 6-27N-6W, 8ills Ranch 6-16	8	21237	8ills Coulee	Madison	08/24/84	3,461	0	0
Mountain States Resources, Inc, 3-27N-6W, Ira Perkins 3-6	8	21241	Highview	Madison	10/11/84	3,515	0	0
Nyvatex Montana Corp., 31-23N-1E, Murphy 31-1	6	21263	Wildcat		04/02/86	1,480	0	0
Nyvatex Montana Corp., 31-23N-1E, Murphy 31-2	6	21264	Wildcat		04/20/86	1,462	0	0



# 1987 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL	POTENTIAL
							Oil B/D	Gas MCF/D
Toole - 101								
Bacon, J. R. Drilling, Inc., 15-35N-3W, USA 2-1B	1	22989	Kevin Sunburst	Madison	02/19/87	1,816	3	0
Bacon, J. R. Drilling, Inc., 15-35N-3W, USA 2-14	1	22993	Kevin Sunburst	Madison	02/19/87	1,831	5	0
Bacon, J. R. Drilling, Inc., 15-35N-3W, USA 2-15	1	22995	Kevin Sunburst	Madison	03/04/87	1,814	3	0
Bacon, J. R. Drilling, Inc., 10-35N-3W, Shay Federal 1-42	1	22998	Kevin Sunburst	Madison	02/19/87	1,754	1	0
Bacon, J. R. Drilling, Inc., 10-35N-3W, USA 1-43	1	23001	Kevin Sunburst	Madison	02/19/87	1,755	1	0
Bacon, J. R. Drilling, Inc., 10-35N-3W, USA 1-41	1	23003	Kevin Sunburst	Madison	02/19/87	1,842	1	0
Bacon, J. R. Drilling, Inc., 10-35N-3W, USA 1-3B	1	23005	Kevin Sunburst	Madison	03/04/87	1,804	5	0
Bacon, J. R. Drilling, Inc., 20-35N-3W, Solberg 9	1	23103	Kevin Sunburst	Madison	03/12/87	1,941	3	0
Bacon, J. R. Drilling, Inc., 20-35N-3W, Solberg 11	1	23104	Kevin Sunburst	Madison	03/09/87	1,964	2	0
Bacon, J. R. Drilling, Inc., 20-35N-3W, Solberg 12	1	23105	Kevin Sunburst	Madison	03/06/87	1,943	15	0
Bacon, J. R. Drilling, Inc., 20-35N-3W, Solberg 13	1	23106	Kevin Sunburst	Madison	03/09/87	1,931	2	0
Bacon, J. R. Drilling, Inc., 20-35N-3W, Solberg 16	1	23107	Kevin Sunburst	Madison	03/06/87	1,917	1	0
Bacon, J. R. Drilling, Inc., 15-31N-3W, Nadeau 15	2	23183	Marias River	Bow Island	12/04/87	1,270	0	31
Badger Oil Co., 6-37N-4W, Parker-Macfee 1	3	23157	Cut Bank		09/26/87	2,962	0	0
Balcron Oil Co., 1B-30N-1W, Keil Ranch 4B-1B	2	23132	Ledger	Bow Island	06/19/87	1,044	0	121
Balcron Oil Co., 7-30N-1W, Keil Ranch 3B-7	3	23133	Ledger		06/19/87	1,180	0	0
Balcron Oil Co., 14-30N-2E, L. Taft 5-14	5	23141	Tiber, East**	Bow Island	07/31/87	781	0	121
Balcron Oil Co., 2-31N-2E, J. McCarter 1-2	5	23143	Devon, East**	Bow Island	08/21/87	725	0	10B
Balcron Oil Co., 16-31N-2E, Benjamin-State 1-16	5	23144	Tiber**	Bow Island	08/27/87	1,332	0	0
Balcron Oil Co., 22-31N-2E, Benjamin 2-22	6	23147	Wildcat		08/07/87	955	0	0
Balcron Oil Co., 33-32N-3E, Ostrem 2-33	2	23150	Devon, East	Bow Island	08/14/87	893	0	10B
Balcron Oil Co., 29-32N-3E, Ostrem 1-29	3	23153	Devon, East		08/26/87	865	0	0
Balcron Oil Co., 5-31N-3E, Flagge 1-5	2	23178	Galata	Bow Island	11/21/87	785	0	374
Balcron Oil Co., 15-30N-2E, Peterson 2-15	6	23189	Wildcat		08/05/87	833	0	0
Berenergy Corp., 36-36N-3W, Dix MT State 2	1	23139	Kevin Sunburst	Sunburst	08/18/87	1,783	1	0
Berenergy Corp., 36-36N-3W, Dix MT State 2	1	23148	Kevin Sunburst	Sunburst	09/10/87	1,630	22	0
Berenergy Corp., 36-36N-3W, Dix MT State 4	1	23170	Kevin Sunburst	Sunburst	11/16/87	1,650	20	0
Berenergy Corp., 36-36N-3W, Dix MT State 5	1	23171	Kevin Sunburst	Sunburst	11/17/87	1,650	25	0
Berenergy Corp., 36-36N-3W, Dix MT State 6	1	23174	Kevin Sunburst	Sunburst	12/01/87	1,670	35	0
Berenergy Corp., 36-36N-3W, Dix MT State 7	1	23175	Kevin Sunburst	Sunburst	12/03/87	1,725	33	0
Berenergy Corp., 36-36N-3W, Dix MT State 8	1	23176	Kevin Sunburst	Sunburst	12/03/87	1,731	1	0
Berenergy Corp., 36-36N-3W, Dix MT State 9	1	23180	Kevin Sunburst	Sunburst	12/07/87	1,760	20	0
Berenergy Corp., 36-36N-3W, Dix MT State 10	1	23181	Kevin Sunburst	Sunburst	12/12/87	1,625	30	0
Berenergy Corp., 36-36N-3W, Dix MT State B 1	B	23182	Kevin Sunburst		12/11/87	1,775	0	0
Berenergy Corp., 36-36N-3W, Dix MT State 11	B	23184	Kevin Sunburst	Sunburst	12/15/87	1,730	0	0
Bluejay Resources, Inc., 12-36N-3W, Simmes Ranch 3	6	23102	Wildcat		12/26/86	686	0	0
Bluejay Resources, Inc., 1-35N-3W, West 1	1	23124	Kevin Sunburst	Sunburst	05/05/87	1,596	15	0
Bluejay Resources, Inc., 34-36N-4W, Spencer 1	2	23129	Kevin Sunburst	Sunburst	06/03/87	2,670	0	80
Bluejay Resources, Inc., 34-36N-4W, Woodworth 2-34	2	23167	Kevin Sunburst	Bow Island	10/02/87	1,844	0	130
Bluejay Resources, Inc., 34-36N-4W, Kashmark 3-34	5	23168	Kevin Sunburst	Bow Island	10/06/87	1,833	0	97
Bluejay Resources, Inc., 34-36N-4W, Kashmark 4-34	2	23173	Kevin Sunburst	Bow Island	11/11/87	1,822	0	194
Bluejay Resources, Inc., 27-36N-4W, Adaskavich 1-27	2	23187	Kevin Sunburst	Bow Island	12/17/87	1,811	0	353
Branch, Jerry L., 27-33N-2W, MDU 8-27	2	23091	Prairie Dell	Bow Island	04/09/87	1,623	0	73
Branch, Jerry L., 19-33N-2W, Atkins 4-19	2	23120	Prairie Dell	Bow Island				
				Dakota	08/07/87	1,633	0	1,633
Branch, Jerry L., 23-33N-2W, Flesch 2-23	2	23134	Prairie Dell	Rierdon	08/20/87	1,440	0	303
Branch, Jerry L., 3-33N-3W, Exxon 6-3	2	23135	Kevin Southwest	Sunburst, Dakota	08/04/87	1,405	0	259
Branch, Jerry L., 13-33N-3W, Knouse 5-13	2	23136	Kevin Southwest	Dakota	07/12/87	1,593	0	80
Branch, Jerry L., 4-30N-1E, Westmark 2-4	6	23137	Wildcat		07/30/87	1,225	0	0
Branch, Jerry L., 29-31N-1E, Grant 1-29	6	23138	Wildcat		08/18/87	645	0	0
Branch, Jerry L., 23-33N-2W, MPC 13-23	2	23159	Prairie Dell	Bow Island, Swift	09/24/87	1,533	0	73
Buckley, Michael T., 9-37N-4W, Wilcox 8	1	23162	Cut Bank	Cut Bank	10/04/87	2,679	30	0
C.R. Energy Corp., 1-35N-3W, Federal 1	3	23154	Kevin Sunburst		08/24/87	1,694	0	0
C.R. Energy Corp., 1-35N-3W, Federal M-51428 4	1	23165	Kevin Sunburst	Sunburst	10/05/87	1,670	9	0
Cavalier Petroleum, 7-33N-1W, Billmaier 13-7	2	23155	Prairie Dell	Sunburst	10/28/87	1,323	0	113
Cenex, 14-37N-2E, Continental 2-14	3	23116	Fred & George Creek		09/22/87	2,743	0	0
Coolidge, G. B., Inc., 31-35N-1E, Zimmerman Realty 2	2	23125	Kevin, East Nisku Oil	Nisku	05/10/87	2,932	0	847
Crescent Oil & Gas Corp., 15-32N-2W, McNamer 1-15	2	23047	Old Shelby	Sunburst	04/06/86	1,533	0	185
Crescent Oil & Gas Corp., 5-32N-2W, Lemmons Estate 5	2	23163	Old Shelby	Sunburst	10/05/87	1,448	0	159
Croft Petroleum Co., 19-34N-3E, Sun Ag, Inc. 14-19	6	23131	Wildcat		06/12/87	2,070	0	0



# 1987 WELL COMPLETIONS (CONTINUED)

COUNTY, OPERATOR, LOCATION, WELL NAME	STATUS CODE	API NO.	FIELD	PRODUCING FORMATION	DATE COMPLETED	TOTAL DEPTH	INITIAL	POTENTIAL
							Oil B/D	Gas MCF/D
Croft Petroleum Co., 13-34N-2E, Kolstad 7-13	6	23152	Wildcat		09/21/87	2,060	0	0
Flying J Expl. and Prod., 28-35N-4W, Gladi Metcha 4-28	1	23110	Cut Bank	Madison	01/18/87	2,302	0	0
Flying J Expl. and Prod., 28-35N-4W, Aetna 5-28	2	23118	Cut Bank	Madison	04/11/87	2,276	0	217
Fulton Producing Co., 30-36N-3E, R. Parsell 14-30	2	21866	Miners Coulee	8ow Island				
				Sunburst	11/12/81	3,200	0	94
Fulton, William M., 28-36N-3W, Goeddertz 42X-28	2	23179	Kevin Sunburst	Kootenai	11/26/87	1,503	0	50
Holt, Sherman & Vivian, 7-34N-2W, Smith 4	1	23115	Kevin Sunburst	Madison	07/12/87	1,549	7	0
Montana Power Co., 7-33N-4W, Karlberg 5-7	2	23121	Cut Bank	Cut Bank	04/27/87	2,640	0	150
Montana Power Co., 18-33N-4W, Sumpter 5-18	2	23122	Cut Bank	8ow Island	05/04/87	2,701	0	180
Montana Power Co., 7-33N-4W, Skierka 13-7	3	23123	Cut Bank		04/26/87	2,629	0	0
Natural Gas Processing Co., 12-33N-1E, Drake 4-12	2	23096	Devon	Bow Island	11/03/87	926	0	326
Natural Gas Processing Co., 1-33N-1E, Drake 13-1	2	23100	Willow Ridge, West	8ow Island	11/09/87	920	0	478
Natural Gas Processing Co., 30-33N-2E, Morse-Wester 16-30	2	23111	Devon	8ow Island	10/26/87	749	0	120
Natural Gas Processing Co., 5-32N-2E, Russell 16-5	2	23112	Devon	8ow Island	10/25/87	737	0	79
Natural Gas Processing Co., 25-33N-1E, Hellinger 1-25	2	23172	Devon	8ow Island	11/04/87	879	0	436
Natural Gas Processing Co., 36-34N-1E, State 13-36	2	23177	Willow Ridge, West	8ow Island	11/21/87	1,238	0	57
Ranch Oil Co., Inc., 8-31N-2W, Zell 14 (8-13)	2	22163	Wildcat	8ow Island	11/25/87	1,257	0	166
Ranck Oil Co., Inc., 34-35N-1E, Turner 1	1	23151	Kevin, East Nisku Oil	Nesson	10/30/87	3,200	2	0
Rimrock Drilling Co., 7-34N-2W, State 10	1	23126	Kevin Sunburst	Madison	06/01/87	1,505	6	0
Rimrock Drilling Co., 18-34N-2W, Amigo 1	1	23160	Kevin Sunburst	Madison	10/15/87	1,525	2	0
Rossmiller, Duard, 2-34N-3W, Ladner-Agen 4-2	2	22352	Kevin Sunburst	Sunburst	04/17/87	1,575	0	211
SoMont Oil Co., Inc., 25-35N-4W, M-61974 1	2	23130	Kevin Sunburst	Madison	07/14/87	2,017	0	1,500
SoMont Oil Co., Inc., 34-36N-4W, Glacier Colony 1	2	23156	Kevin Sunburst	8ow Island	09/18/87	1,773	0	100
Sunburst Expl., Inc., 23-33N-2W, McNamer 1	2	23158	Kevin Sunburst	8ow Island, Swift	10/06/87	217	0	217
Teague Geological, Inc., 2-36N-3E, Myrtle Johnson 1	3	23128	Trail Creek		06/02/87	2,958	0	0
Walls, Adrian G., 31-32N-2W, Davidson 1	5	21291	Wildcat	8ow Island	05/21/87	1,298	0	400
Walls, Adrian G., 24-33N-2W, Houdek 1-24	2	23093	Old Shelby	Swift, Sunburst	12/01/86	1,386	0	194
Walls, Adrian G., 22-34N-1W, McNamer 14-22	2	23109	Kevin Sunburst	8ow Island	01/07/87	1,335	0	156
Walls, Adrian G., 22-34N-1W, McNamer 9-22	2	23113	Kevin Sunburst	8ow Island	01/11/87	1,390	0	166
Walls, Adrian G., 23-34N-1W, Rierdon 14-23	2	23114	Kevin Sunburst	Bow Island	01/19/87	1,424	0	80
Walls, Adrian G., 12-33N-2W, Chevron 1-12	2	23164	Prairie Dell	Swift	10/26/87	1,353	0	860
<b>Valley - 105</b>								
8earth Oil & Gas Co., 23-30N-45E, Redekopp 1	6	21408	Wildcat		03/09/87	7,210	0	0
Exxon Corp., 13-31N-38E, Lime Creek Federal 1	6	21406	Wildcat		11/08/86	4,745	0	0
Exxon Corp., 12-35N-43E, Panther State 1	6	21407	Wildcat		12/21/86	6,950	0	0
<b>Wibaux - 109</b>								
Fulton Fuel Co., 34-14N-60E, Morman 34-34	3	21066	Black Diamond		08/04/87	10,250	0	0
<b>Yellowstone - 111</b>								
Barrett Energy Co., 35-7N-32E, White 4	3	21208	Wolf Springs, South		01/13/87	6,075	0	0
Basso, Lindberg, Westwood, Wol, 29-3S-25E, Larson 1	6	21190	Wildcat		12/15/85	1,021	0	0
Basso, Lindberg, Westwood, Wol, 36-3S-24E, Basso 1	6	21210	Wildcat		06/13/87	1,045	0	0
Basso, Lindberg, Westwood, Wol, 29-3S-25E, Larson 2	6	21211	Wildcat		09/14/87	1,036	0	0
Basso, Lindberg, Westwood, Wol, 36-3S-24E, State 2	6	21212	Wildcat		10/02/87	1,029	0	0
Gary Drilling Co., 3-6N-32E, Botts 1-3	1	21176	Wolf Springs, South	Amsden	07/16/86	6,111	4	0
R & J Prod., Inc., 27-3S-24E, Krug 4	6	21184	Wildcat		07/20/85	1,015	0	0
R & J Prod., Inc., 26-3S-24E, Mosser 13	1	21197	Mosser Dome	Mosser Sand	07/10/86	1,000	3	0
R & J Prod., Inc., 27-3S-24E, Art Ouren 1	3	21202	Mosser Dome		08/19/86	1,020	0	0
Rocky Mountain Oilfinders Inc., 35-7N-32E, Ethel White 3	3	21180	Wolf Springs, South		08/25/85	6,125	0	0
VSM Development Co., 4-7N-31E, Maart 1	3	21181	Weed Creek		05/22/85	6,445	0	0

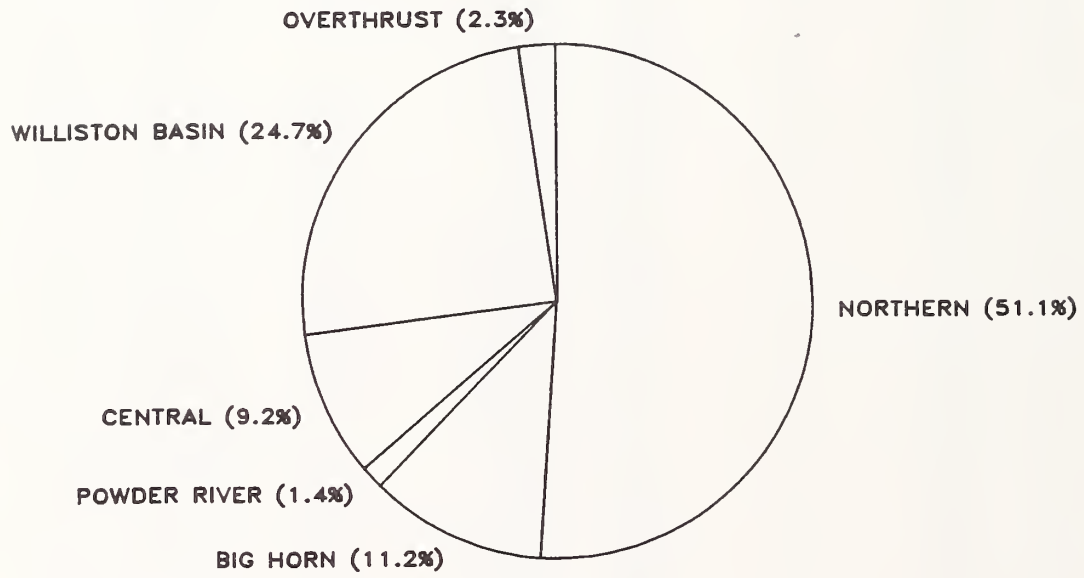
## Status Codes:

1 - development oil well;  
 2 - development gas well;  
 3 - development dry hole;  
 4 - exploratory oil well;  
 5 - exploratory gas well;  
 6 - exploratory dry hole;  
 7 - service well;  
 8 - other (usually temp. aband.)

\* - new pay zones  
 \*\* - extensions  
 \*\*\* - new discovery

# 1987 WELLS COMPLETED

(348 WELLS — BY REGION)



# 1987 SUMMARY OF SECONDARY RECOVERY PROJECTS

Field	Formation	Operator	Type of Project	Injection Pattern	Date Inj. Com.	1987 Cumulative Injections M Bbls. or MMCF	Avg. Daily Inj. Rate Bbls. or MCF	No. of Inj. Wells	Source of Injection Media and Remarks
Ash Creek Crow Tribe	Shannon	Mobil	Waterflood	Peripheral	10/64	256	—	—	Idle
Ash Creek SU (MT)	Shannon	Pecos Development	Waterflood	Peripheral	10/64	1,299	66	2	WSW & Produced
Bell Creek Tertiary	Muddy	Gary Energy	Polymer In	5 Spot	12/80	54,407	15,576	20	Surface
Bell Creek A	Muddy	Gary Energy	Waterflood	Peripheral	4/70	262,043 *	34,537	46	Madison
Bell Creek B	Muddy	Gary Energy	Waterflood	Peripheral	10/70	54,602	4,413	8	Madison
Bell Creek C	Muddy	Gary Energy	Waterflood	Peripheral	9/71	37,768	5,367	4	Madison
Bell Creek D	Muddy	Gary Energy	Waterflood	Peripheral	1/72	38,191	2,373	8	Madison
Bell Creek E	Muddy	Gary Energy	Waterflood	Peripheral	1/72	32,569	2,414	11	Madison
Bell Creek Ranch Creek	Muddy	Gary Energy	Waterflood	Peripheral	3/71	44,790	—	—	Idle
Big Wall BWUTSU	Upper Tyler	Texaco	Waterflood	Random	8/66	35,995	2,244	1	Produced
Big Wall BWLTSU	Lower Tyler	Texaco	Waterflood	Random	10/84	11,942	6,310	3	Produced
Blackfoot	Cut Bank	Croft Petroleum	Waterflood	Random	7/76	2,777	658	3	Madison
Border, New	Cut Bank	P&M Petroleum	Waterflood	Random	1/82	—	—	—	Idle
Border, Old	Cut Bank	Gypsy Highview	Waterflood	Random	6/73	1,836	276	1	Madison
Cabin Creek	Siluro-Ord	Shell	Waterflood	Semi Peripheral	6/59	311,092	22,665	24	Produced
Cat Creek East Dome	Ellis Sand	Hoss	Waterflood	Semi Peripheral	7/70	1,249	170	3	Third Cat Creek
Cat Creek Mosby Dome	Swift	Cenex	Waterflood	Random	7/67	6,427 *	103	6	Third Cat Creek
Cat Creek Mosby	Amsden	Cenex	Waterflood	Random	6/71	313	—	—	Idle
Cat Creek Unit 1	1st Cat	Cenex	Waterflood	Semi Peripheral	10/62	7,398	382	2	Third Cat Creek
Cat Creek Unit 1	2nd Cat	Cenex	Waterflood	Semi Peripheral	10/62	10,113	1,031	2	Third Cat Creek
Cat Creek Unit 2	1st Cat	Cenex	Waterflood	Semi Peripheral	12/59	9,734	260	3	Third Cat Creek
Cat Creek Unit 2	2nd Cat	Cenex	Waterflood	Semi Peripheral	12/59	12,116	753	3	Third Cat Creek
Cut Bank Dahlquist	Cut Bank	Cameo Minerals	Waterflood	Random	11/79	176	—	—	Idle
Cut Bank Lander A	Lander Sand	Gypsy Highview	Waterflood	Random	4/65	2,044	5	1	Madison
Cut Bank Marina	Cut Bank	P&M Petroleum	Waterflood	5 Spot	6/72	2,075	—	—	Idle
Cut Bank McGuiness	Madison	Union Oil	Waterflood	Random	12/62	6,989	—	—	Idle
Cut Bank No. Central	Cut Bank	Gypsy Highview	Waterflood	5 Spot	5/78	5,286	441	10	Madison
Cut Bank NE	Moulton	Fair	Waterflood	5 Spot	10/67	6,018	76	2	Madison
Cut Bank NE	Cut Bank	J and G	Waterflood	5 Spot	6/63	13,409	—	—	—
Cut Bank NW	Cut Bank	Gary Wolf	Waterflood	5 Spot	1/62	18,841	129	5	Madison
Cut Bank S Central	Cut Bank	Union Oil	Waterflood	5 Spot	5/63	52,971	6,784	57	Madison
Cut Bank SW	Cut Bank	J.R. Bacon	Waterflood	5 Spot	9/62	124,158	8,666	42	Madison & Recycle
Cut Bank Tesoro	Cut Bank	City Oil	Waterflood	5 Spot	9/71	6,613	209	5	Madison & Recycle
Cut Bank Tweedy	Cut Bank	Gypsy Highview	Waterflood	5 Spot	6/72	1,380	33	1	Madison
Cut Bank 2 Medicine	Cut Bank	Wold Oil Prop.	Waterflood	Random	12/67	58,443	—	—	Madison & Recycle
Darling	Cut Bank	P&M Petroleum	Waterflood	Random	2/67	—	—	—	Idle
Darling North Unit	Moulton	Buttes Resources	Waterflood	Random	2/68	2,472	—	—	Idle
Darling South Unit	Moulton	Buttes Resources	Waterflood	Random	2/67	7,548	—	—	Idle
Dean Dome	Greybull	Eastern American	Steam Inj	Cyclic	8/81	29	—	—	Idle
Dwyer	Charles	Phillips	Waterflood	Peripheral	10/68	5,768	199	3	Dwyer Charles
Elk Basin	Frontier	Amoco	Waterflood	Crestal	12/72	6,039	—	—	Idle
Elk Basin Unit	Tensleep	Amoco	Waterflood	Semi Peripheral	4/67	2,431	—	—	Idle
Elk Basin	Madison	Amoco	Waterflood	Semi Peripheral	8/61	228,307	15,733	13	Produced
Elk Basin NW	Tensleep	Amoco	Waterflood	Semi Peripheral	1/67	5,598	1,308	1	Produced
Fairview	Red River	Mepna	Pressure M	Random	5/70	4,186	—	—	Idle
Flat Coulee	Swift	Breck Oper.	Waterflood	Peripheral	2/72	11,869	2,171	13	Eagle
Flat Lake	Ratcliffe	Chevron USA	Pressure M	Random	6/71	36,294	4,242	15	Produced
Flat Lake West	Ratcliffe	Chevron USA	Pressure M	Random	11/74	7,228	694	5	Produced
Frannie	Tensleep	Conoco	Waterflood	Random	11/70	261,481	100,246	50	Produced
Frannie	Tensleep	Conoco	LPG Inj	Random	11/70	124,262	17,013	6	Produce
Fred & George Creek	Sunburst	Fulton	Waterflood	Random	7/76	47,918	6,279	2	Madison & Eagle
Gas City	Red River	Shell	Waterflood	Semi Peripheral	10/69	15,928	1,716	3	Mission Canyon
Goose Lake	Ratcliffe	Apache	Waterflood	Semi Peripheral	1/73	22,532	1,726	2	Produced
Graben Coulee	Cut Bank	Monte Grande	Waterflood	Random	7/83	145	203	2	Madison
Gumbo Ridge	Tyler B	Meridian Oil	Waterflood	Semi Peripheral	6/80	2,732	719	2	Produced Cat Creek
Highview	Madison	Mountain States	Co2 Inj	Random	7/82	600	324	1	Produced
Ivanhoe	Tyler	Tomahawk Oil	Pressure M	Random	5/64	99	57	1	Produced
Jim Coulee	Tyler	Texas Petroleum	Waterflood	Semi Peripheral	7/72	13,747	4,227	6	Produced Cat Creek
Keg Coulee Unit	Tyler	Buttes Resources	Waterflood	Semi Peripheral	8/66	5,495	515	1	Madison
Keg Coulee Tyler SU	Tyler	Damson Oil	Waterflood	Semi Peripheral	12/69	3,609	—	—	Idle
Keg Coulee NW Unit	Tyler	Bison Operating	Waterflood	Semi Peripheral	1/70	6,029 *	57	1	Madison
Kelley	Tyler B	Union Texas	Waterflood	Random	7/69	3,296	703	1	3rd Cat Creek
Kevin Sunburst SU	Sunburst	Texaco	Waterflood	Random	8/64	12,830	151	7	Madison
Kevin Homestake SU	Sunburst	Petro Production	Waterflood	Random	8/64	8,714	898	5	Madison
Laird Creek	Swift	Meridian Oil	Waterflood	Semi Peripheral	2/77	807	—	—	Idle
Little Beaver	Red River	Shell Oil	Waterflood	Semi Peripheral	8/66	50,548	7,683	11	Produced

# 1987 SUMMARY (CONTINUED)

Field	Formation	Operator	Type of Project	Injection Pattern	Date Inj. Com.	1987 Cumulative Injections M Bbls. or M MCF	Avg. Daily Inj. Rate Bbls. or MCF	No. of Inj. Wells	Source of Injection Media and Remarks
Little Beaver East	Red River	Shell Oil	Waterflood	Semi Peripheral	4/65	23,431	5,011	7	Produced
Little Wall South	Tyler	Union Texas	Waterflood	Random	10/83	4,893	5,433	5	Unit Wells
Little Wall South	Gunderson	Beartooth Oil/Gas	Waterflood	Random	10/87	35	385	1	Produced
Lookout Butte Coral	Red River	Shell Oil	Waterflood	Semi Peripheral	4/67	59,074 *	4,561	10	Minnelusa
Melstone North	Tyler	True Oil	Waterflood	UK	1/83	3,019	2,817	6	3rd Cat Creek
Monarch	Siluro-Ord	Shell Oil	Waterflood	UK	12/73	6,492	184	2	UK
Pennel	Stoney Mtn.								
	Red River	Shell Oil	Waterflood	Random	8/69	198,934	34,296	64	Dakota & Produced
Pine A	Siluro-Ord	Shell Oil	Waterflood	Semi Peripheral	3/59	152,507	5,635	23	Fox Hills & Prod.
Pine C & D	Red River	Shell Oil	Waterflood	Semi Peripheral	3/68 *	23,070	997	4	Lodgepole
Prichard Creek	Sunburst	Fulton Producing	Waterflood	Random	4/73	1184	—	—	Idle
Ragged Point Tyler A	Tyler	Buttes Resources	Waterflood	Semi Peripheral	12/66	10,483	929	1	Cat Creek
Ragged Point SW	Tyler	Graham Royalty	Waterflood	Random	10/82	3,517	2,217	3	WSW
Raymond	Nisku	Santa Fe Energy	CO2 Inj	UK	8/83	894	551	1	Duperow
Regan Dome	Madison	Union Oil	Waterflood	Random	7/73	5,315	1,341	5	Produced
Red Creek	Cut Bank	Exxon	Waterflood	5 Spot	6/65	21,903	—	—	See Border
Roscoe Dome	Lakota	Eastern American	Steam Inj	UK	5/82	5	—	—	Idle
Shepherd	Judith River	Summit Resources	Secondary	Random	11/84	89	37	1	Tyler
Stensvad	Tyler	Tomahawk Oil	Waterflood	Semi Peripheral	12/63	29,126 *	660	2	Produced
Sumatra Central	Tyler	Texaco	Waterflood	Semi Peripheral	9/69	15,4530	19,499	15	Madison & Produced
Sumatra Grebe	Tyler	Cenex	Waterflood	Random	6/75	716	—	—	Madison & Produced
Sumatra NE	Tyler	Texaco	Waterflood	Semi Peripheral	9/69	10,821	1,345	5	Madison & Produced
Sumatra Sawyer	Tyler	Buttes Resources	Waterflood	Semi Peripheral	6/80	1,034	52	1	Madison
Sumatra SE	Tyler	Buttes Resources	Waterflood	Semi Peripheral	12/69	23,722	3,252	4	Madison
Sumatra West	Tyler	Conoco	Waterflood	Semi Peripheral	10/68	53,607	5,816	5	Produced
Sumatra W Kincheloe	Tyler	Apache	Waterflood	Semi Peripheral	5/82	9,357	5,252	6	Madison
Tippy Buttes	Tyler	True Oil	Waterflood	Random	5/82	162	123	1	Dakota
Winnett Junction	Tyler	Templeton Energy	Waterflood	Random	10/77	6,601	1,370	2	Produced & WSW

\* Cumulative figures adjusted by operator.



# OIL AND GAS FIELDS

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>ACE HIGH</b> Tyler	0	0	1	Statewide
<b>ALMA</b> Bow Island/Blackleaf	0	1	0	640-acre spacing units. Location to be no closer than 990' from spacing unit boundary. (Order 19-77)
<b>AMANDA</b> Bow Island Swift-Sunburst	0 0	8 4	0 0	320-acre spacing units for gas with one well per horizon from the base of the Swift to the surface to be located no closer than 660' from unit boundary. Spacing unit to consist of two contiguous quarter sections lying within one or two governmental sections. (Order 76-79) Field enlargement. (Orders 25-83 and 1-85)
<b>ANVIL</b> Nisku Ratcliffe Red River	1 2 8	0 0 0	0 1 0	320-acre spacing units for Red River "B" and "C" with one well per zone no closer than 660' to unit boundary; commingling approved for one well only per spacing unit. (Order 75-85) Produced water disposed into the Dakota formation. (Order 12-A-82)
<b>ARCH APEX</b> Bow Island Swift-Sunburst	0 3	38 1	5 2	330' from legal subdivision; 2,400' from any other drilling or producible gas well producing from the same reservoir; 75' topographic tolerance. (Order 4-60) Sometimes called Colorado Blackleaf pool. (Swift) Statewide.
<b>ASH CREEK</b> Shannon	2	0	4	Spacing waived within unitized portion of field except no well may be drilled closer than 660' from unit boundary. (Order 4-65) Waterflood started October 1964. (Orders 22-64, 15-66)
<b>BADLANDS</b> Eagle	0	11	1	Drilling and spacing units allow one well per governmental section to be located anywhere within a section but no closer than 990' to a section line. (Order 22-78)
<b>BAINVILLE</b> Red River Red River-Gunton Winnipegosis	2 2 1	0 0 0	0 0 0	Statewide. Single 320-acre spacing unit for Winnipegosis formation. (Order 117-84)
<b>BAINVILLE II</b> Red River	3	0	0	320-acre spacing units; no well closer than 660' to the unit boundaries. (Order 36-82) Field reduction. (Order 16-85) Single spacing unit. (Order 69-85)
<b>BAINVILLE, NORTH</b> Ratcliffe Red River Winnipegosis Interlake	1 3 3 1	0 0 0 0	0 0 0 0	320-acre spacing units to consist of two governmental quarter sections located in either one or two governmental sections. Wells to be located no closer than 660' to unit boundary and no closer than 1,650' to any well producing from the same formation. (Order 84-79) Board Order 84-79 is amended to permit a tolerance of 150' from the well location requirements of said order for topographic purposes. (Order 39-80)
<b>BAINVILLE, WEST</b> Madison Red River	1 1	0 0	0 0	320-acre spacing units to consist of two governmental quarter sections that may be in either one or two governmental sections. Location to be no closer than 660' to the unit boundary or closer than 1,650' to another producing well within the field. (Orders 19-78, 42-79) 320-acre spacing units aligned in east-west direction with permitted well to be no closer than 660' to unit boundary. (Order 57-80)
<b>BANNATYNE</b> Swift	26	0	0	Center of 10-acre tracts, 50' topographic tolerance. Commingling permitted. (Order 20-58) Pilot waterflood of Swift suspended in 1963.
<b>BATTLE CREEK</b> Eagle	0	38	1	Production of gas from all formations from surface to top of Virgelle formation. One well per producing horizon per section no closer than 990' to section line but allowing additional wells in each section no closer than 1,320' to wells producing from same horizon. (Order 40-86)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>BEAN BLOSSOM</b>				
Tyler B	3	0	0	Three spacing units with one well per lot. (Order 23-86) SWD approved EPA-87.
<b>BEARS DEN</b>				
Bow Island	0	1	0	Statewide.
Madison	0	0	1	
Swift	7	2	0	
<b>BELFRY</b>				
Kootenai	1	0	0	Statewide.
<b>BELL CREEK</b>				
Muddy	104	0	198	Originally 40-acre spacing units with location 660' from unit boundary with 150' tolerance for topographic reasons only. (Orders 37-67, 39-67, 50-67, 1-69, 17-70) Field now unitized. Tertiary program. (Order 25-80) Six areas unitized (Unit "A," "B," Ranch Creek, "C," "D," and "E"). Floods used Madison water. (Orders 7-70, 23-70, 8-71, 26-71, 35-71, 36-71) Tertiary enhanced recovery authorized for Units "A," "B," "D," (Orders 82-84, 111-84, 112-84). Ranch Creek enhanced recovery approved EPA-85.
<b>BELL CREEK, SOUTHEAST</b>				
Muddy	0	1	1	160-acre spacing units, wells 660' from spacing unit boundary. (Order 31-71)
<b>BENRUD</b>				
Charles	0	0	1	160-acre spacing units with permitted location within a 1,320' square in center of quarter section. (Order 6-65) Field boundaries reduced. (Order 66-84) Water disposal into Judith River formation. (Order 64-62)
Madison	1	0	0	
<b>BENRUD, EAST</b>				
Nisku	4	0	0	Same as Benrud Field. (Order 6-65) Single spacing unit. (Orders 108-84 and 7-85) Water disposal into Judith River formation. (Orders 64-62, 32-66, 4-A-73) SWD approved EPA-87.
<b>BENRUD, NORTHEAST</b>				
Nisku	1	0	0	Same as Benrud Field. (Order 6-65) Water disposal into Judith River formation. (Order 32-66)
<b>BERTHELOTE</b>				
Sunburst	3	0	0	Wells located 330' from lease lines; 660' between wells with no more than one well per governmental quarter-quarter section. (Order 18-66)
<b>BIG COULEE</b>				
Cat Creek 3	0	7	1	Statewide. Single spacing unit: Sec. 29, T4N R20E for production of gas from Morrison formation. (Order 25-86)
Lakota	0	1	0	
Morrison	0	2	0	
<b>BIG GULLY</b>				
Tyler	2	0	0	Statewide.
<b>BIG GULLY, NORTH</b>				
Tyler	0	0	1	Statewide.
<b>BIG MUDDY CREEK</b>				
Mission Canyon	2	0	1	One well per 320-acre spacing unit with well no closer than 660' from boundary of four east-west units. (Order 4-75)
Ratcliffe	0	0	1	
Red River	1	0	1	
<b>BIG ROCK GAS FIELD</b>				
Blackleaf	0	26	0	640-acre spacing units for Blackleaf "A" formation. Location to be no closer than 990' to any governmental section line. (Order 31-78) Amended to allow 2 wells per section in 5 sections. (Order 64-85)
Bow Island	0	9	5	
Madison	0	0	2	
Colorado	0	5	0	

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>BIG WALL</b>				
Amsden	1	0	1	Spaced by old statewide spacing; 330' from lease or property line, 990' between wells in same reservoir. (Order 12-54) Previous disposal into Tyler "A" stopped in 1961. Waterflood of Tyler "B" sand started August 1966. (Order 22-66) Another Tyler "B" waterflood authorized by Order 96-83. Excess produced water disposed into the Tyler "B" formation. (Order 13-A-77) Enhanced recovery approved EPA 86.
Tyler	9	0	19	
<b>BILLS COULEE</b>				
Kootenai	0	3	0	Field without restrictions except that no well may be drilled closer than 330' from the exterior boundary of the field. (Order 22-80)
Dakota	0	1	0	
Moulton	0	2	0	
Sunburst	0	1	0	
Madison	0	0	1	
<b>BLACK BUTTE</b>				
Eagle	0	1	1	320-acre spacing units consisting of either the N/2 and S/2 or E/2 and W/2 of the section with well location to be no closer than 990' from a section line nor closer than 660' to the interior boundary. (Order 134-80)
<b>BLACK COULEE</b>				
Eagle	0	7	1	320-acre spacing units; well to be located no closer than 990' from unit boundary. (Order 6-73) Well location to be no closer than 660' to eastern boundary of Black Coulee Field. (Order 37-79) Field extension. (Order 71-79)
<b>BLACK DIAMOND</b>				
Nisku	2	0	0	320-acre spacing units; well location no closer than 660' from unit boundary. (Orders 147-81 and 51-86) Field enlarged. (Order 15-87)
<b>BLACKFOOT</b>				
Cut Bank-Madison	8	0	1	One well only per 40-acre spacing unit; 300' tolerance from center of spacing unit. Dual completion in Cut Bank and Madison with administrative approval. (Order 3-57) Waterflood started November 1976. (Order 34-76)
Nisku	1	0	0	
<b>BLACKFOOT, EAST</b>				
Cut Bank	0	0	2	Statewide.
<b>BLACKFOOT SHALLOW GAS</b>				
Sunburst-Dakota	0	9	0	640-acre spacing units; one well per section per producing horizon above the Kootenai with location to be no closer than 990' to unit boundaries. (Order 121-80)
<b>BLACKJACK</b>				
Blackleaf	0	2	0	One gas well per 160 acres, no closer than 660' from boundary of each unit. (Order 3-69) Statewide spacing. Order 3-67 amended to include Blackleaf in spacing and field rules for gas. (Order 4-74). Blackleaf gas pooled. (Order 3-75)
Bow Island	0	1	0	
Second White Specks	0	1	0	
Sunburst	0	11	0	
<b>BLACKLEAF CANYON</b>				
Sun River	0	2	2	Single spacing unit with Blackleaf Federal 1-A as designated well. (Order 84-81)
<b>BLACKLEAF UNIT</b>				
Sun River	0	2	1	Well spacing requirements set forth in 82-11-201 MCA and Board Rule 36.22.702 are suspended provided no well drilled to be closer than 990' from unit boundary. (Order 47-81). Two 280-acre spacing units. (Order 25-85)
<b>BLOOMFIELD</b>				
Dawson Bay	2	0	0	320-acre spacing units consisting of two contiguous governmental quarter sections which need not be in the same section; wells located no closer than 660' spacing unit boundaries. (Order 38-83) Dawson Bay formation added and commingling of Dawson Bay, Interlake, and Red River formations authorized. (Order 16-84) Enlarged. (Order 32-84)
Red River-Interlake	5	0	0	
<b>BLOOMFIELD, EAST</b>				
Red River	1	0	0	Statewide.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>BLUE HILL</b>				
Red River	0	0	1	Statewide.
<b>BLUE MOUNTAIN</b>				
Red River	1	0	0	Statewide.
<b>BORDER</b>				
Cut Bank	15	0	2	Oil: Unitized into New and Old Border fields. Unitized 6-1-73. (Orders 8-73, 9-73)
Moulton	0	1	0	Gas: 330' from boundary of legal subdivision. 2,400' between wells in same formation on same lease. 75' topographic tolerance. (Order 7-54)
Sunburst	0	1	0	Waterflood approved. (Orders 8-73, 9-73, 28-73)
<b>BOWDOIN &amp; AREA</b>				
Montana & Colorado Shale	0	571	43	One well per quarter section not less than 1,000' from lease boundary or less than 2,000' from any gas well in same horizon. (Order 29-55) Unitized 1958. Delineated: (Order 3-72) One additional well in each 640-acre spacing unit no closer than 990' to spacing unit boundary in Whitewater and Ashfield Units. (Order 41-82) Produced water injected into Phillips Sand-Ashfield unit. (Order 10-A-77)
<b>BOWES</b>				
Eagle	0	38	5	660' from boundary of legal subdivision. 1,320' from other wells in same formation. 75' topographic tolerance. (Order 23-54) Order 23-54 amended by establishing 160-acre Eagle spacing units in Sec. 5, 6, 7, 8, 17, 18 31N-19E. (Order 44-75) 330' from lease or property line, 990' between wells in the same formation. (Order 13-54) Vacuum pumps authorized for Sawtooth formation wells. (Order 74-83)
Sawtooth	57	0	39	Pilot waterflood initiated in 1961 and expanded to fieldwide waterflood in 1965. (Order 6-61) Water from Madison.
<b>BOX CANYON</b>				
Red River	2	0	1	Statewide.
<b>BRADLEY</b>				
Dakota	0	1	0	One well per formation per section for production of gas from all horizons above the top of the Kootenai formation. (Order 91-84)
Madison	1	0	0	
Sunburst	0	0	2	
<b>BRADY</b>				
Morrison	2	0	8	10-acre spacing units with 75' topographic tolerance from center of spacing unit. (Orders 34-62, 55-62) Field enlargement. Operators may commingle production from Burwash and Sunburst formations in Section 16. (Order 86-81)
Sunburst	6	0	0	
Burwash	2	0	1	Produced water disposed into Sunburst formation. (Order 62-A-84)
<b>BREED CREEK</b>				
Tyler	10	0	4	Statewide.
<b>BROADVIEW</b>				
Frontier	0	1	0	Single 640-acre spacing unit comprised of Sec. 35, T5N R22E. (Order 8-86)
<b>BRORSON</b>				
Madison	11	0	0	One well per 160-acre unit, no closer than 660' from unit boundary (Mission Canyon and Red River). (Order 5-69) Field enlargement. (Order 25-82) Gas to Brorson Field Plant.
Red River	3	0	0	Produced water injected into Dakota formation. (Order 129-A-81) SWD approved EPA 86.
<b>BRORSON, SOUTH</b>				
Madison	2	0	0	One well per 160-acre unit, no closer than 660' from unit boundary. (Order 26-68) Gas to Brorson Field Plant. Reduced Field Area. (Order 26-77)
Red River	2	1	0	
<b>BROWN'S COULEE, EAST</b>				
Eagle	0	2	1	Statewide.
Judith River	0	1	0	
<b>BRUSH LAKE</b>				
Red River	5	0	1	320-acre spacing unit with initial nine spacing units described in Order 15-71 corrected.



Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>BUFFALO FLAT</b>				
Bow Island	0	6	1	Statewide.
Duperow	1	0	0	
<b>BUFFALO LAKE</b>				
Madison	0	0	1	Statewide.
Sawtooth	0	0	1	
<b>BULLWACKER</b>				
Eagle	0	45	2	One well per 320-acre spacing unit with well location no closer than 660' from unit boundary and 990' from field boundary. (Order 26-74). Field enlarged. (Order 63-85)
Judith River	0	1	0	
Virgelle	0	1	0	
<b>BURGET, EAST</b>				
Madison	3	0	0	Statewide.
Red River	1	0	0	
<b>BURNS CREEK</b>				
Red River	1	0	0	Statewide.
<b>BURNS CREEK, SOUTH</b>				
Red River	0	0	1	320-acre spacing units; well location to be no closer than 660' from unit boundary. (Order 2-82)
<b>CABIN CREEK</b>				
Madison	4	0	11	Spacing waived and General Rules for (Deviation), (Commingling), and (Dual Completion) are suspended until present Unit Agreement becomes inoperative. (Order 36-62) Many wells produce from both Interlake and Red River by dual completions. Gas through extraction plant. Field boundaries amended and spacing units designated. (Order 118-84)
Silurian-Ordovician	86	0	3	
				Waterflood of Siluro-Ordovician (Orders 5-59, 15-60, and 30-63). Produced water injected into the Mission Canyon (Order 60-62). SWD approved EPA-84, 85. Enhanced Recovery approved EPA-87.
<b>CAMP CREEK</b>				
Eagle	0	1	0	Statewide.
<b>CANADIAN COULEE &amp; AREA</b>				
Sawtooth	0	1	0	320-acre spacing units with well location no closer than 660' from unit boundary, and 990' from field exterior boundaries. (Order 18-76)
<b>CANADIAN COULEE, NORTH</b>				
Sawtooth	0	1	1	640-acre spacing units. Location to be no closer than 1,650' to section line. (Order 15-74)
<b>CANAL</b>				
Madison	4	0	0	320-acre Red River spacing units consisting of E 1/2 and W 1/2 of governmental section. (Order 34-70)
Red River	1	0	0	
				160-acre Madison spacing units. Wells located no closer than 660' to unit boundary with 150' topographic tolerance. (Order 58-85)
<b>CANNON BALL</b>				
Red River	1	0	0	Statewide.
<b>CARLYLE</b>				
Red River	1	0	0	320-acre spacing units; to consist of either the N/2 and S/2 or E/2 and W/2 of section or lots corresponding thereto. Well location to be no closer than 660' to unit boundary nor closer than 1,650' to any well drilling or producing from the same pool. (Order 39-79) E 1/2 of 18-11N-61E designated as a spacing unit for Nisku formation with permission to commingle production with Red River. (Order 29-87)
Nisku	1	0	0	
				Produced water disposed into Dakota formation. (Order 126-A-81)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>CAT CREEK, EAST DOME</b>				
Ellis	11	0	2	220' from lease or property line, 440' from every other well in same formation. (Order 17-55) Three separate producing areas, East, Mosby, and West Domes. Field enlargement upper and lower Brindley wells in S1 T15N R28E are to be no closer than 350' from other Morrison wells in said section. (Order 101-82) Three Kootenai, two Ellis, and one Amsden waterflood in progress. Orders 17-56, 18-59, 13-62, 8-68, 38-70, 11-71) Water from Third Cat Creek sand. Waterflood modified. (Order 29-74)
<b>CAT CREEK, MOSBY DOME</b>				
Amsden	0	0	3	
Cat Creek 2 & 3	9	0	0	
Ellis	8	0	0	
Rierdon	1	0	0	
<b>CAT CREEK, WEST DOME</b>				
Cat Creek 1 & 2	32	0	8	
Ellis	1	0	0	
Morrison	3	0	0	
Mowry	2	0	0	
<b>CEDAR CREEK</b>				
Eagle	0	86	4	Order 33-54, original field rules, vacated by Order 32-86. 320-acre spacing units, wells in center of NW 1/4 and SE 1/4 of each section with 200' topographic tolerance. (Order 1-61) Delineation amendments. (Order 23-76 and 32-86)
<b>CHAIN LAKES</b>				
Eagle	0	3	0	Statewide.
<b>CHARLIE CREEK</b>				
Nisku	1	0	0	320-acre spacing units, either east-west or north-south at option of operator, located no closer than 660' from spacing unit boundary and no closer than 1,650' from another producing well. Spacing units may not cross section lines. (Order 66-76)
Red River	1	0	0	
<b>CHARLIE CREEK, EAST</b>				
Red River	2	0	1	Statewide. Two 160-acre spacing units for Duperow formation. (Order 47-87)
Duperow	1	0	0	
<b>CHARLIE CREEK, NORTH</b>				
Bakken	1	0	0	Single spacing unit. (Order 37-82) Statewide.
Madison	1	0	0	
Red River	0	1	0	
<b>CHELSEA CREEK</b>				
Nisku	1	0	0	Statewide.
<b>CHINOOK, EAST</b>				
Eagle	0	0	3	Statewide.
<b>CHIP CREEK</b>				
Eagle	0	0	3	160-acre spacing units. Location no closer than 660' from spacing unit boundary. (Order 89-76)
<b>CLARKS FORK</b>				
Greybull	0	1	0	330' from quarter-quarter section line. 1,320' between wells with 75' topographic tolerance. (Order 17-54)
<b>CLARKS FORK, SOUTH</b>				
Greybull	0	0	1	160-acre spacing; location no closer than 330' from quarter section line or 1,320' from any other well.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>CLEAR LAKE</b>				
Madison	5	0	0	Statewide. Produced water disposed into Dakota, Muddy, Lakota, and Swift formation. (Orders 41-A-80, 60-A-80, 91-A-80, 116-A-81, 123-A-81) SWD approved EPA-87.
Nisku	1	0	0	
Red River	8	0	0	
<b>CLEAR LAKE, SOUTH</b>				
Red River	1	0	0	Statewide.
<b>COAL COULEE</b>				
Eagle	0	1	1	One well per governmental section, to be located no closer than 990' from section line and only one well permitted per formation. (Order 25-78) Amendment to (Order 25-78) provides 320-acre spacing units within certain sections to be designated by the operator. Well to be located no closer than 990' to unit boundary. (Order 36-79)
<b>COAL RIDGE</b>				
Mission Canyon	1	0	0	Statewide. Produced water injected into the Dakota formation. (Order 81-A-79)
<b>COLORED CANYON</b>				
Red River	4	0	0	Statewide. Single spacing unit comprised of N 1/2 Sec 7, T32N, R57E. (Order 28-84)
<b>COLORED CANYON-NISKU</b>				
Nisku	1	0	0	Single spacing unit comprised of S1/2 NW1/4 and N1/2 SW1/4 Sec 8 T32N R57E (Order 86-85).
<b>COMERTOWN</b>				
Nisku	4	0	0	320-acre spacing units; permitted well to be no closer than 660' to unit boundary. (Order 35-80) Field enlargement. (Orders 9-81 and 150-81)
Ratcliffe	3	0	0	
Red River	4	0	1	Produced water injected into the Dakota formation. (Order 107-A-82)
<b>COMERTOWN, SOUTH</b>				
Nisku	1	0	0	320-acre spacing units consisting of N1/2 and S1/2 of Sec 21 and W1/2 of Sec 22, T36N, R57E, wells located no closer than 660' to unit boundary. (Order 96-84) Enlarged. (Order 20-85)
Red River	2	0	0	
<b>CONRAD, SOUTH</b>				
Dakota	3	0	0	10-acre spacing units. Wells in center of each unit with 75' topographic tolerance. (Orders 34-62, 31-63)
Sunburst	5	0	0	
<b>COTTONWOOD</b>				
Red River	1	0	0	Single spacing unit. (Order 85-84)
<b>COW CREEK</b>				
Charles	0	0	1	80-acre spacing units, direction at option of operator but wells to be in SW 1/4 and NE 1/4 of each quarter section. (Order 11-69)
<b>COW CREEK, EAST</b>				
Kibbey	10	0	0	40-acre spacing units consisting of quarter-quarter section with permitted well to be at center with 150' topographic tolerance. (Order 35-74) Produced water disposed into Dakota formation. (Order 30-A-75 and 61-A-76)
<b>CRANE</b>				
Devonian	4	0	0	320-acre spacing units consisting of one half of a governmental section with well location to be no closer than 660' from unit boundary and no closer than 1,650' to any well drilling or producing from the same pool. (Order 40-79) SWD approved EPA-87.
Silurian-Ordovician	2	0	1	
<b>CROCKER SPRINGS, EAST</b>				
Mississippian	1	0	0	Statewide. (Order 68-82 which established 80-acre spacing units was vacated by Order 37-87.)
<b>CROOKED CREEK</b>				
Dakota	2	0	1	Statewide.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>CUPTON</b> Red River	7	0	2	160-acre quarter section spacing units. Location no closer than 660' from spacing unit boundary. (Order 4-72) Produced water disposed into Red River formation. (Order 1-A-80) SWD approved EPA-85, 86.
<b>CUPTON AREA</b> Red River	2	0	0	Single spacing unit. (Order 14-85)
<b>CUT BANK</b> Blackleaf Bow Island Cut Bank Cut Bank-Madison Kootenai Madison Moulton Sunburst Swift Dakota	0 0 603 2 3 48 41 3 0 0	2 14 185 0 1 1 1 5 1 1	0 1 360 0 1 16 40 4 0 0	(Kootenai formation includes Moulton, Sunburst, and Cut Bank sands.) Oil: 330' from legal subdivision line, 650' between wells in same formation 5-spot on 40-acre tract permitted. 75' topographic tolerance. (Order 10-54) Gas: 330' from legal subdivision, 2,400' between wells in same formation. 75' topographic tolerance. (Order 10-54) Sec. 20, 29, and 32 of T36N, R4W spaced 320-acres (N 1/2 and S 1/2). (Order 26-70) 320-acre spacing units for gas (Cut Bank) units; (E 1/2 and W 1/2) wells to be located no closer than 330' from legal subdivision line nor less than 2,400' from drilling or producible well producing from same reservoir. (Orders 82-76, 6-77) Field extension. (Order 3-79) Board Orders No. 10-54, 26-70, 6-77, 82-76, and 3-79 amended to include all formations from surface to base of Madison Lime Formation. (Order 45-80) Field enlarged. (Orders 68-83 and 13-85) There are 18 waterfloods in progress. Water from Eagle and Madison, or produced. Produced water disposed into Madison formation. (Orders 51-65, 52-65, 22-A-74, 80-A-76, 55-A-77, 60-A-80, 91-A-80, 123-A-81, 39-A-82, 20-A-84) SCCBSU enhanced recovery approved EPA-84, 85, 87 and Order 88-85. SWD approved EPA-86.
<b>DAGMAR</b> Red River	2	0	2	Statewide.
<b>DAGMAR, NORTH</b> Red River	1	0	0	320-acre spacing units; well location no closer than 660' from unit boundary. (Order 6-81) Produced water injected into Dakota formation. (Order 124-A-81) SWD approved EPA 86.
<b>DEADMANS COULEE</b> Nisku	0	0	4	Statewide. Produced water injected into Judith River formation. (Order 132-A-81) SWD approved EPA 86.
<b>DEAN DOME</b> Greybull	0	0	7	Statewide. Oil ring below gas cap.
<b>DEER CREEK</b> Interlake/Red River	1	0	5	80-acre spacing units consisting of any two adjacent quarter-quarter sections. Well location in NE1/4 and SW 1/4 of each quarter section with 75' topographic tolerance. (Orders 23-55 and 14-59) Well location amendment. (Order 10-86) Commingling of production permitted upon approval of Board Petroleum Engineer. (Order 18-63) Excess produced water is disposed into Dakota and Lakota, Morrison and Swift formations. (Orders 6-56, 3-58 and 53-A-83)
<b>DELPHIA</b> Amsden	2	0	0	Statewide.
<b>DEVILS BASIN</b> Amsden Heath Tyler	0 6 1	0 0 0	2 3 0	10-acre spacing units; well location to be in the center of each spacing unit with a 75' tolerance permitted for topographic or geologic reasons. (Order 114-80) Produced water disposed into Heath formation. (Order 59-A-84)
<b>DEVILS POCKET</b> Heath	2	0	0	40-acre spacing units; wells no closer than 165' to spacing unit boundary. (Order 34-85)
<b>DEVON</b> Bow Island	0	24	1	160-acre spacing units for production of gas from all formations from surface to top of Kootenai formation; wells located no closer than 330' to any quarter section line and 660' to exterior boundaries of field, excepting existing wells. (Order 32-83) Field enlarged and amended to provide 320-acre spacing units for Bow Island formation; wells located no closer than 660' to interior spacing unit line and 990' to section lines. (Order 50-86)



Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>DEVON, EAST</b>				
Bow Island	0	2	1	320-acre spacing units consisting of any two contiguous quarter sections; wells located no closer than 660' to spacing unit boundaries. (Order 42-86) Field enlarged. (Order 26-87)
<b>DEVON, SOUTH UNIT</b>				
Bow Island	0	1	0	Drilled on statewide spacing. Unitized for primary production. (Order 28-71, corrected) 320-acre spacing units; wells located no closer than 660' to unit boundaries. (Order 24-84) Field enlarged. (Order 11-87)
<b>DIAMOND POINT</b>				
Red River	2	0	0	320-acre spacing unit allowing two wells to produce from the Red River or from commercial production at any depth shallower. (Order 20-80) SWD approved EPA-85.
<b>DIVIDE</b>				
Madison	9	0	0	Statewide. Produced water disposed into Dakota formation. (Order 42-A-80, 130-A-81)
<b>DRY CREEK</b>				
Frontier	3	12	0	Statewide. Field redelineated. (Order 8-70) Six additional gas storage wells, west end of structure.
Greybull	0	2	0	
Judith River	0	2	1	
Virgelle/Eagle	0	4	0	
<b>DRY CREEK, MIDDLE</b>				
Frontier	1	2	0	320-acre spacing units consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option with permitted well no closer than 660' from spacing boundary. (Order 25-75)
<b>DRY CREEK, SHALLOW GAS</b>				
Virgelle	0	1	0	Statewide
<b>DRY CREEK, SOUTHWEST</b>				
Frontier	1	0	0	320-acre spacing units consisting of E 1/2 and W 1/2 of Sec. 5, T7S R21E; wells located no closer than 990' to spacing unit boundaries. (Order 47-86)
<b>DRY CREEK, WEST</b>				
Greybull	0	0	1	160-acre spacing units; well location anywhere in spacing unit but no closer than 660' from unit boundary. (Order 43-78) Order 43-78 amended to include Frontier formation. (Order 65-82) Field enlargement. (Order 86-82)
<b>DRY FORK</b>				
Bow Island	0	7	0	Statewide
<b>DUNKIRK, NORTH</b>				
Bow Island	0	5	2	Only one well may produce from each producing zone, formation, or horizon, but no closer than 990' from section lines. (Order 58-81) Field enlargements. (Orders 104-81 and 66-82)
Dakota-Kootenai	0	16	0	
Sunburst	0	0	1	
<b>DUNKIRK, NORTH</b>				
Bow Island	0	15	0	One well per governmental section per zone or horizon. Each producing well to be located anywhere within section but no closer than 990' from section line. (Order 25-77) Field enlargements. (Orders 64-78 and 157-81)
Dakota-Kootenai	0	1	0	
Swift	0	1	0	
<b>DUTCH JOHN COULEE</b>				
Sunburst	5	0	2	Statewide.
<b>DWYER</b>				
Madison	11	0	4	160-acre spacing units; well location in center of SE 1/4 of spacing units with 175' topographic tolerance. (Orders 25-60, 29-61) Field reduction. (Order 30-85) Produced water disposed into Dakota formation. (Order 26-63) Waterflood. (Order 20-68) Enhanced recovery approved EPA 86.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>DWYER-NISKU</b> Nisku	1	0	0	Single 320-acre spacing unit. (Order 30-87)
<b>DWYER RED RIVER &amp; AREA</b> Red River	5	0	0	Single spacing unit with 2 wells. (Order 97-83)
<b>EAGLE</b> Duperow Madison Red River	2 16 1	0 0 0	0 2 0	Statewide.
<b>EAGLE SPRINGS</b> Bow Island-Sunburst-Swift	0	5	5	One well per governmental section per zone, located anywhere but no closer than 990' from section line for all gas zones above the top of the Kootenai. (Order 4-78) Commingling of Swift and Sunburst permissible. (Order 19-79)
<b>EAST GLACIER</b> Green Horn	1	0	0	Statewide. 160-acre spacing units. (Order 41-81) Amended to enlarge field and designate 80-acre spacing units with permitted well to be located no closer than 330' to the exterior boundaries. (Order 112-81)
<b>ELK BASIN</b> Big Horn Frontier Madison Embar-Tensleep	0 10 16 16	0 0 0 0	1 11 13 13	Statewide spacing is waived within unit areas. (Order 10-61) Gas to Elk Basin gasoline plant. Frontier: Water injection. (Order 1-72) Embar-Tensleep pressure maintenance by crestal gas injection. Waterflood approved in 1966. (Order 5-66) Madison: Water injection. (Order 17-61) Enhanced recovery approved EPA 86.
<b>ELK BASIN, NORTHWEST</b> Frontier Madison Tensleep	3 7 1	0 0 0	8 0 1	Spacing waived within unitized portion except that bottom of hole be no closer than 330' from unit boundary and there be at least 1,320' surface distance between wells in same formation; 75' topographic tolerance. (Orders 43-63, 28-64) Gas to Elk Basin gasoline plant. Frontier: Waterflood in progress. Embar-Tensleep: Waterflood. (Order 3-67, 6-74) Madison, produced water.
<b>ENID, NORTH</b> Bakken Red River	1 2	0 0	0 1	Spaced for one well field, NE 1/4 of Section 10 and NW 1/4 of Section 11, T23N, R54E. (Order 45-79)
<b>ETHRIDGE</b> Swift	0	6	0	Statewide, except two wells. (Order 28-65)
<b>ETHRIDGE, NORTH</b> Swift	0	1	0	320-acre spacing units; well location to be no closer than 660' from unit boundaries. Section 2, T33N, R4W is a 640-acre spacing unit. (Order 98-81)
<b>FAIRVIEW</b> Duperow Winnipegosis Madison Red River	0 1 7 12	0 0 0 0	1 0 1 0	160-acre spacing units. Well location anywhere in spacing unit but no closer than 660' from unit boundary. (Orders 48-65, 1-67, 43-67, 44-67, 38-84) Gas to Fairview plant. Field area reduced. (Order 119-84) Field enlarged. (Order 16-87) Northwest part of field unitized for gas injection. Gas from Fairview and Brorson fields. (Order 11-70) Salt water disposal into Dakota. (Orders 9-A-71, 24-A-71)
<b>FAIRVIEW, EAST</b> Red River	3	0	0	320-acre spacing units; designated well in the N 1/2 of Section 28 may be located no closer than 660' from the unit boundary or 1,650' from any well producing from the same pool. (Order 76-81)
<b>FAIRVIEW, WEST</b> Madison	2	0	0	Statewide.
<b>FERTILE PRAIRIE</b> Red River	5	0	0	80-acre spacing units consisting of north-south rectangular units. Well location in NW 1/4 and SE 1/4 of quarter section with 75' topographic tolerance. (Orders 3-56, 7-62) Board Orders 3-56 and 7-62 amended to provide well locations for each 80-acre spacing unit to be the center of the SW or NE quarter quarter section of each quarter section with 75' tolerance for surface obstructions. (Order 65-80)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>FIDDLER CREEK</b> Greybull	1	0	1	Statewide.
<b>FISHHOOK</b> Madison Red River	1 4	0 0	0 0	Statewide.
<b>FITZPATRICK LAKE</b> Bow Island-Sunburst	0	9	2	One well per governmental section located no closer than 990' from section line for all gas zones above the top of the Kootenai. (Order 31-79) Field enlarged. (Order 113-84)
<b>FLAT COULEE</b> Blackleaf Bow Island Dakota Sawtooth Swift	0 0 0 0 22	1 2 1 1 3	0 0 0 0 0	Bow Island Gas: 330' from boundary of legal subdivision and 1,320' from other wells in same reservoir. (Order 16-55) Swift Oil: 40-acre spacing units. Well in center of spacing unit with 150' topographic tolerance. (Orders 16-62, 19-63) Dakota Gas: Statewide. Waterflood unit and redelineation approved for Swift sandstone. (Orders 13-71, 17-A-71, 22-71)
<b>FLAT COULEE, EAST</b> Sawtooth	0	0	1	Statewide
<b>FLAT LAKE</b> Madison Nisku	44 1	0 0	31 0	160-acre spacing units; well location in center of NE 1/4 of quarter section with 200' topographic tolerance. Wells no closer than 961' to North Dakota state line and no closer than 1,600' to Canadian line. (Orders 10-65, amended; 43-65, 23-66, 33-66) Excess salt water disposed into Muddy, Dakota, or Lakota formations (Orders 39-64, 39-66, 125-A-81) and into Ratcliffe formation (Order 122-A-81). Unit operation for eastern part of field. (Order 7-71) Unit operation for western part of field. (Order 32-74)
<b>FLAT LAKE, EAST</b> Madison	1	0	0	Single 160-acre spacing unit. (Order 103-84)
<b>FLAT LAKE, SOUTH</b> Ratcliffe	4	0	2	160-acre spacing units established by (Order 2-67) then modified to provide that the permitted well may be located anywhere within the unit but no closer than 660' to any unit boundary. (Order 49-80) Excess salt water disposed into Muddy, Dakota, or Lakota. (Order 19-67)
<b>FLAXVILLE</b> Mission Canyon	2	0	0	160-acre spacing units; permitted well to be no closer than 660' from the exterior boundaries of the unit. (Order 105-82) Order 105-82 amended to provide 150' tolerance for topographic reasons. (Order 124-82) SWD approved EPA-85.
<b>FORT CONRAD</b> Bow Island	0	14	0	640-acre spacing units; well location to be no closer than 990' from the section line. (Order 19-81) Field enlargement. (Order 118-82)
<b>FORT GILBERT</b> Duperow Madison Red River	1 8 2	0 0 0	0 5 0	160-acre spacing units; well location no closer than 660' from unit boundary with 150' topographic tolerance. (Order 94-81) Excess produced associated gas reinjected into Duperow formation. (Order 78-81)
<b>FOUR MILE CREEK</b> Red River	1	0	0	320-acre spacing units. (Order 43-75) Field boundary reduction. (Order 10-83)
<b>FOUR MILE CREEK, WEST</b> Red River	1	0	1	Statewide.
<b>FOX CREEK</b> Stonewall	1	0	0	Statewide.
<b>FOX CREEK, NORTH</b> Madison	1	0	1	160-acre spacing units for Madison formation; wells located no closer than 660' to the unit boundary with 150' topographic tolerance. (Order 13-84)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>FRANNIE</b>				
Tensleep	1	0	1	10-acre spacing units; well location in center of each unit with 100' topographic tolerance. (Order 35-63) Unitized for waterflood of Phosphoria-Tensleep formations using produced fluids. (Order 21-70) EOR approved. (Order 62-85)
<b>FRED &amp; GEORGE CREEK</b>				
Bow Island	0	3	0	Sunburst Oil: 40-acre spacing units; well location in center of unit with 250' topographic tolerance. (Orders 29-63, 1-65, amended by Order 48-77) Sunburst Gas: same as Arch Apex. (Order 4-60)
Madison	1	0	0	
Sunburst	25	0	21	
Swift/Blackleaf	4	2	2	Statewide for other formations. Sunburst waterflood initiated July 1970, using water from Madison (Order 13-70) and Eagle. (Order 27-71) (Order 40-80)
<b>FRESNO &amp; AREA</b>				
Eagle	0	7	1	640-acre spacing units; wells located no closer than 990' from unit boundary. One well may be drilled within each spacing unit for each producing horizon within the spacing unit. (Order 14-76) Field enlargement and modification of field rules within certain areas. (Order 52-80)
<b>FROG COULEE</b>				
Red River	1	0	0	320-acre spacing units; wells to be located no closer than 660' from the unit boundary. (Order 55-79)
<b>FROID, SOUTH</b>				
Red River	1	0	0	Statewide.
<b>GAGE</b>				
Amsden	3	0	0	40-acre spacing units; well location to be in center of each unit with a permitted tolerance of 150' for topographical or geological reasons. (Order 120-80) Field enlargement. (Order 44-81)
<b>GALATA</b>				
Bow Island	0	7	1	One well per governmental section located no closer than 990' to section lines. (Order 21-84) Two wells from same formation per section no closer than 1,320' to each other. (Order 28-84) Field enlarged. (Orders 41-85 and 76-85)
<b>GAS CITY</b>				
Madison	0	0	1	80-acre spacing units consisting of E 1/2 and W 1/2 of quarter sections; well location in NW 1/4 and SE 1/4 of quarter section; 150' topographic tolerance. Spacing waived and statewide rules for (Deviation), (Commingling), and (Dual Completion) are waived in unitized portion of field. (Order 29-62)
Silurian-Ordovician	11	0	5	Excess produced water disposed into Judith River formation. (Orders 32-61, 20-64) Waterflood using produced water and Madison water. (Order 16-69) Produced water disposed into Charles "B" formation. (Order 90-A-79)
<b>GIRARD</b>				
Bakken	1	0	0	Statewide.
Red River	1	0	0	
<b>GLENDIVE</b>				
Silurian-Ordovician	14	0	7	80-acre spacing units consisting of any two adjacent quarter-quarter sections; wells located in center of NE 1/4 and SW 1/4 of each quarter section with 75' topographic tolerance. (Orders 27-55, 19-62, 58-62, 20-66) 80-acre spacing units as set forth by Order 95-84. Commingling of Red River and Madison formations. (Order 95-84) Excess produced water disposed into Swift, Dakota, and Judith River formations. (Orders 16-56, 16-63, 40-A-70, 7-A-72, 8-A-82) SWD approved EPA 86.
<b>GOLD BUTTE</b>				
Bow Island	0	1	0	640-acre spacing, well location any quarter-quarter section cornering on center of section. (Order 26-59) Amended field boundary. (Order 43-77)
<b>GOLDEN DOME</b>				
Frontier	1	4	1	160-acre spacing; 660' from spacing unit boundary. (Order 15-72) Single spacing unit for Greybull formation. (Order 17-82) Field enlargement and inclusion of Frontier and Greybull formations. (Order 135-82)
Greybull	0	3	0	



Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>GOOSE LAKE</b>				
Ratcliffe	22	1	15	160-acre spacing units for Ratcliffe formation. (Order 42-63) Field enlarged. (Orders 40-66, 47-67, 16-68) Refer to said orders for authorized well locations. Field size reduced. (Order 29-77) Single spacing unit for Red River. (Order 1-82) North Goose Lake Unit waterflood. (Order 17-72) Unit production curtailment. (Order 45-77) Excess produced water disposed into Mission Canyon and Dakota formations. (Orders 12-64, 14-66, 12-68) Produced water disposed into Ratcliffe formation (Order 138-A-80) Produced water disposed into Dakota formation. (Order 117-A-81) Enhanced recovery approved EPA 86. SWD approved EPA-87.
Red River	1	0	0	
<b>GOOSE LAKE, WEST</b>				
Red River	2	0	0	Statewide.
<b>GOSSETT</b>				
Madison	0	0	4	Statewide.
Red River	1	0	0	
Stoney Mountain	1	0	0	
<b>GRABEN COULEE</b>				
Cut Bank	79	0	2	40-acre spacing units; well location no closer than 330' from legal subdivision. (Cut Bank and Madison) Oil: 330' from boundary of legal subdivision and 650' from any other well in same reservoir and on same lease. 75' topographic tolerance. (Order 73-62) Excess produced water disposed into Cut Bank formation. (Order 45-A-75 and 63-A-84) Waterflood of Cut Bank sands. (Order 61-83) SWD approved EPA-86, 87.
Madison	1	0	1	
Sunburst	11	0	1	
<b>GRANDVIEW</b>				
Bow Island	0	3	3	320-acre spacing units aligned in a north-south direction; well location no closer than 660' to a spacing unit boundary. (Order 49-67) Dual completion with Bow Island.
Sawtooth	0	1	0	
<b>GRANDVIEW, EAST</b>				
Swift	4	0	1	Statewide.
<b>GREEN COULEE</b>				
Red River	1	0	0	160-acre spacing units for Ratcliffe formation. Well location to be no closer than 660' to unit boundaries with 150' tolerance allowed for topographic or geologic reasons. 320-acre spacing units for the Red River formation with well location to be no closer than 660' to the unit boundary nor closer than 1,650' from any well producing from the Red River. (Order 56-81)
<b>GREEN COULEE EAST AREA</b>				
Interlake	0	0	1	Single spacing unit. (Order 99-82)
<b>GUMBO RIDGE</b>				
Tyler	2	0	2	Statewide. Third Cat Creek water for waterflood. (Order 54-79)
<b>GUNSIGHT</b>				
Madison	3	0	1	Statewide.
<b>GYPSY BASIN</b>				
Sawtooth, Sunburst, Swift, Madison, Nisku	21	5	25	330' from lease lines and 660' between wells in same formation. Only two wells per quarter-quarter section. (Order 7-66) (Sawtooth-Madison) Oil: 40-acre spacing units; wells no closer than 330' from lease line. (Order 7-66) (Sawtooth-Madison) Gas: 160-acre spacing units; well locations in center of any quarter-quarter section in each 160-acre unit, 2,340' between gas wells. 150' topographic tolerance. (Order 13-59) Injection of excessive gas produced with oil into Sunburst gas cap. (Order 6-64)
<b>HAMMOND</b>				
Muddy	0	8	2	320-acre spacing units; each unit shall consist of a regular half of a governmental section with well location to be no closer than 660' to a unit boundary nor closer than 990' to the exterior boundaries of the field. (Order 97-80)
<b>HARDIN</b>				
Frontier	0	29	17	Statewide.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>HARDPAN</b> Bow Island Swift	0 1	12 0	3 0	Spacing one well per section. Well location no closer than 990' from the section boundary. (Order 145-81) Field enlargement. (Order 131-82)
<b>HARDSCRABBLE CREEK</b> Red River	1	0	0	Statewide.
<b>HAVRE</b> Eagle	0	4	1	Single spacing unit for production of gas.
<b>HAWK CREEK</b> Amsden	1	0	0	Statewide.
<b>HAY CREEK</b> Interlake Mission Canyon Red River	1 2 1	0 0 0	0 0 0	Statewide. 320-acre spacing, any two adjacent quarter sections, direction to be determined by operator. Location no closer than 660' from unit boundary. (Orders 15-69, 27-73) Gas to Brorson plant. Water disposal into Red River. (Order 20-A-70) Produced water disposed into Dakota formation. (Order 90-A-80, 129-A-81)
<b>HAYSTACK BUTTE</b> Bow Island	0	7	1	640-acre spacing units; one well per each producing horizon above Kootenai. Location no closer than 990' from spacing unit boundary. (Order 85-76) Amended field boundary. (Order 37-77)
<b>HIAWATHA</b> Tyler	4	0	0	Statewide.
<b>HIBBARD</b> Amsden	0	0	1	Statewide. Produced water disposed into the Amsden formation. (Order 9-A-82)
<b>HIGH FIVE</b> Stensvad Tyler	9 5	0 0	2 1	Statewide. Water disposed into Dakota and Stensvad formations. (Orders 33-A-77, 70-A-78) Unitized & Polymer-Waterflood authorized. (Order 110-80)
<b>HIGHVIEW</b> Madison Devonian Swift	11 1 0	1 0 0	9 0 1	160-acre spacing units, located no closer than 660' from spacing unit boundary. 150' topographic tolerance. (Order 84-76) Orders 32-76, 84-76 and 63-82 are amended to provide as follows: 1. Permitted wells to the Moulton, Sunburst, Morrison, and Swift formations shall be no closer than 330' from the lease line nor closer than 660' to a permitted well in the same formation with only two such wells per quarter quarter section with a 150' topographic tolerance. 2. Madison: (Gas) 160-acre spacing units with well location to be no closer than 660' from quarter section lines. 3. Madison: (Oil) 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance. 4. Sawtooth: (Oil and Gas) 40-acre spacing units with permitted location to be no closer than 330' from the lease line with a 150' topographic tolerance. (Order 136-82)
<b>HONKER</b> Red River	1	0	0	320-acre specified spacing units; permitted well not to be closer than 660' from the unit boundary. (Order 105-80)
<b>HORSE CREEK</b> Swift	1	0	0	Statewide.
<b>HOWARD COULEE</b> Tyler	1	0	0	Statewide. Produced water injected into the Piper formation. (Order 69-A-78)
<b>INJUN CREEK</b> Tyler Stensvad	1 1	0 0	0 0	Statewide.
<b>INTAKE II &amp; AREA</b> Madison Red River	1 3	0 0	1 0	320-acre spacing units; permitted well to be located no closer than 660' from the unit boundary. (Order 99-81) Produced water disposed into Dakota formation. (Order 60-A-84) SWD approved EPA-85.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>IVANHOE</b>				
Amsden	1	0	0	40-acre spacing unit for production from any one common formation; well location in center of unit with 200' topographic tolerance. (Order 7-60 and 13-56)
Heath	1	0	0	
Morrison	1	0	0	
Tyler	3	0	4	
<b>JIM COULEE</b>				
Tyler	15	0	0	Unitized. (Order 18-72) No well closer than 330' from unit boundary. Waterflood project approved in Tyler Sands. (Order 18-72)
<b>JIM COULEE, NORTH</b>				
Tyler-Stensvad	2	0	0	Statewide.
<b>KATY LAKE</b>				
Red River	2	0	0	Statewide.
<b>KATY LAKE, NORTH</b>				
Mission Canyon	5	0	0	Statewide except for single 320-acre Red River spacing unit (Order 88-84) and single 160-acre Mission Canyon spacing unit. (Order 89-84)
Nesson	1	0	0	
Red River	5	0	0	
<b>KEG COULEE</b>				
Stensvad	1	0	2	40-acre spacing in southwest portion of field except that spacing is waived in unitized portion. (Orders 3-64, 4-64, 23-64) 80-acre spacing in remainder of field with variable pattern. (Orders 11-60, 28-62) 40-acre spacing: W 1/2 E 1/2 and W 1/2 Sec. 35-11N-30E; NW 1/4 Sec. 35-11N-30E; NW 1/4 Sec. 2-10N-30E. (Order 23-72) Topographic tolerance varies from 100' to 250'. (Order 11-60, 4-64, 23-64) Buffer zone waived. (Order 16-65) Field reduction. (Order 2-76) Orders 11-60, 4-64, and 2-76 amended by Order 58-76.
Tyler	9	0	10	
<b>KEG COULEE, NORTH</b>				
Tyler	1	0	1	40-acre spacing units; well location in center of spacing unit with 150' topographic tolerance. (Order 46-64) Buffer zone waived. (Order 16-65) Field area amended. (Order 59-76)
<b>KEITH AREA</b>				
Bow Island	0	1	0	Statewide.
Sawtooth	0	0	1	
White Specks	0	3	0	
<b>KEITH, EAST</b>				
Bow Island	0	6	0	Statewide, except unitized portions spaced by Order 22-62. Pooling. (Order 19-66)
Niobrara	0	1	0	
Sawtooth	0	2	0	
Second White Specks	0	11	0	
<b>KELLEY</b>				
Tyler	3	0	0	Statewide. 250' topographic tolerance. (Order 15-67) Waterflood using Third Cat Creek water. (Orders 8-69, 51-76)
<b>KEVIN, EAST GAS FIELD</b>				
Sunburst	0	2	0	320-acre spacing units consisting of E 1/2 and W 1/2 of 6-34N-1E, all horizons above base of Rierdon formation, commingling approved. (Order 23-85) Field enlarged. (Orders 29-86 and 10-87)
<b>KEVIN, EAST NISKU OIL</b>				
Nisku	11	1	0	80-acre spacing units consisting of E 1/2 or W 1/2 of governmental quarter section; wells located in center of SW 1/4 or NE 1/4 of each quarter section with 200' geologic or topographic tolerance. (Order 46-84) Field enlarged. (Order 9-86)
<b>KEVIN-SOUTHWEST</b>				
Bow Island-Dakota				320-acre one-half section spacing units lying north-south or east-west at operator's option. Location to be no closer than 660' from unit boundary for Sunburst-Swift formations and all formations above the top of the Kootenai. (Orders 26-78, 47-78, 48-78) Field enlargement. (Orders 96-79, 47-80, 163-81)
Sunburst-Swift	0	22	1	

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>KEVIN SUNBURST</b>				
Burwash	9	0	0	Oil: 9 Wells per 40-acre tract; only 3 wells on any side of tract with set back at least 220' from line. Single spacing unit. (Order 61-85) Gas: Well to be no closer than 330' from the boundaries of any legal subdivision line, nor less than 2,400' from every other drilling or producible well on the same lease or units. (Orders 8-54, 28-55) Field enlarged. (Order 54-87)  There are three waterfloods in operation using Madison water. (Orders 9-64, 17-64, 30-64, 36-65) Sunburst water disposed into Madison (Order 50-76 and 11-A-84). H <sub>2</sub> S, CO <sub>2</sub> and produced water disposed into Madison. (Order 156-81) EPA-87. SWD approved EPA-84, 85, 86, 87.
Colorado, Sunburst, Ellis Stray, Sand, Cut Bank & Madison	1140	126	536	
Dakota, Sunburst, Swift, Bow Island & Kootenai	54	25	3	
Eagle	0	1	0	
Ellis	52	0	8	
Nisku	2	1	0	
Sawtooth	0	0	1	
<b>KEVIN SUNBURST, NISKU &amp; AREA</b>				
Swift	0	1	0	Gas: 640-acre spacing units; location no closer than 990' from spacing unit boundary. (Order 83-76)
Devonian-Nisku				Oil: 80-acre spacing units; location no closer than 330' from spacing unit boundary. (Order 7-86)
<b>KICKING HORSE</b>				
Bow Island	0	11	0	320-acre spacing with location permitted no closer than 660' from unit boundary and 990' from field boundary. (Order 17-74) Board Order 17-74 is amended to include certain additional lands into field and provide that 320-acre spacing units may be either the N/2 & S/2 or E/2 & W/2 of section. (Order 53-80)
Sawtooth	0	1	0	
Sunburst	0	4	1	
<b>KINCHELOE RANCH, WEST</b>				
Tyler	5	0	0	Statewide.
<b>KINYON COULEE AREA</b>				
Bow Island	0	3	0	Statewide.
<b>KINYON COULEE, SOUTH</b>				
Bow Island	0	0	1	Only one well permitted. Well location no closer than 990' from section line. (Order 31-81)
<b>KIPPEN AREA, EAST</b>				
Madison-Swift	0	1	0	Statewide.
Sawtooth	0	0	1	
<b>LAIRD CREEK (LAIRD CREEK U)</b>				
Swift	7	0	2	Statewide. Unitized and waterflood authorized in Swift for oil production. (Order 25-74) Commenced 2-25-77.
<b>LAKE BASIN</b>				
Clagget	0	3	0	160-acre spacing units to base of Virgelle; wells no closer than 660' from unit boundary and 990' from field boundary. Commingling permitted after administrative approval. (Order 9-74) Gas from Telegraph Creek pooled. (Order 29-75)
Eagle-Virgelle	0	16	4	
Frontier	0	1	0	
Telegraph Creek	0	3	0	
<b>LAKE BASIN, NORTH</b>				
Eagle	0	2	0	640-acre spacing units consisting of one section. Locations 990' from section line. (Order 3-74) 160-acre spacing units located no closer than 660' from quarter section lines within restricted sections. (Order 63-76)
<b>LAMBERT</b>				
Red River	4	0	0	320-acre spacing units consisting of the E 1/2 and W 1/2 of section. (Order 3-83) Statewide.
<b>LAME STEER CREEK</b>				
Red River	1	0	0	Single spacing unit. (Order 101-84)
<b>LANDSLIDE BUTTE</b>				
Madison	10	0	9	Statewide. Reinject gas into Madison formation. (Order 84-84) SWD approved EPA 86.
Sun River	3	0	0	
<b>LAREDO</b>				
Eagle	0	0	15	320-acre spacing with unit consisting of one-half section lying north-south or east-west at operator's option after administrative approval. Well no closer than 990' from unit boundary. (Order 8-74)



Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>LEARY</b> Muddy	2	0	1	40-acre spacing units; wells located no closer than 330' to spacing unit boundary with 75' topographic tolerance. (Order 115-84 which amended original 80-acre spacing established by Orders 12-69, 19-70, and 68-76)
<b>LEDGER</b> Bow Island Sawtooth	0 0	56 0	5 1	640-acre spacing; one well per section per sand to be located no closer than 990' from section line. Permissible to commingle two or more sands, subject to administrative approval by the Petroleum Engineer. (Order 53-77) Field enlargement and amendment to allow two wells per sand per section. (Order 1-87)
<b>LEROY</b> Eagle	0	28	11	320-acre spacing with unit consisting of one-half section lying north-south or east-west at operator's option after administrative approval. Wells no closer than 660' from unit boundary and 990' from field boundary. (Order 19-75) Board Order 19-75 amended that a tolerance of 330' for permitted well be allowed for topographic reasons. (Order 72-80) Field enlargement. (Order 31-87)
<b>LISCOM CREEK</b> Shannon	0	8	0	Spacing, one well per 640 acres, with location no closer than 990' from section boundary. (Order 20-72)
<b>LITTLE BASIN</b> Frontier	0	3	0	640-acre spacing units; one well per section located no closer than 990' from spacing unit boundary. (Order 27-86)
<b>LITTLE BEAVER</b> Silurian-Ordovician	33	0	4	Spacing waived and General Rules for (Deviation), (Commingling), and (Dual Completion) are suspended until present Unit Agreement becomes inoperative. (Order 41-62) Waterflood of the Red River was commenced in August 1967. (Order 3-66) Minnelusa water.
<b>LITTLE BEAVER, EAST</b> Silurian-Ordovician	9	0	2	Same as for Little Beaver. (Order 42-62) Waterflood of the Red River was commenced in April 1965. (Order 33-64)
<b>LITTLE CREEK</b> Eagle-Virgelle	0	3	1	Statewide.
<b>LITTLE PHANTOM</b> Sunburst	1	0	0	10-acre spacing units; well location to be located anywhere within the spacing unit but no closer than 220' from the exterior boundary lines of the field nor closer than 440' to any well capable of or producing from the Sunburst Sands. (Order 46-81)
<b>LITTLE ROCK</b> Bow Island-Blackleaf	0	11	0	320-acre N 1/2 and S 1/2 spacing units. Well location no closer than 990' from west line of Section 14 and 660' from the remaining unit boundary lines. (Order 40-78) Field enlargement. (Orders 94-79 and 34-80)
<b>LITTLE WALL CREEK</b> Stensvad Tyler Tyler-Stensvad	1 3 4	0 0 0	0 0 0	Statewide. Produced water injected into Tyler formation. (Orders 54-A-77, 63-A-78, 1-A-81) South Little Wall Creek Unit waterflood. (Order 85-83) Little Wall Creek, Tyler Sand Unit. (Order 40-84) Enhanced recovery approved EPA-84, 86.
<b>LITTLE WALL, SOUTH AND UNIT</b> Tyler	19	0	5	Statewide. Enhanced recovery approved EPA-87 and Order 39-87).
<b>LOBO</b> Interlake Red River	1 1	0 0	0 0	Statewide
<b>LODGE GRASS</b> Minnelusa	2	0	0	Statewide.
<b>LOHMAN</b> Eagle	0	4	3	640-acre spacing; one well per section to be located no closer than 990' from section line. (Order 23-78)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>LONE BUTTE</b>				
Red River	2	0	0	Single 320-acre spacing unit for Red River and Interlake formations; 160-acre spacing units for Madison with well location no closer than 660' from unit boundary with 150' tolerance for topographic or geologic reasons. (Order 83-85)
Mission Canyon	1	0	0	
<b>LONETREE CREEK</b>				
Red River	9	0	0	320-acre spacing, wells 660' from spacing boundary, 2,000' between wells. (Order 29-72) Field reduction. (Orders 162-81 and 84-85)
<b>LONETREE CREEK, WEST</b>				
Red River	1	0	1	Spacing units shall be S 1/2 and N 1/2 of Section 12, T24N R56E. No well closer than 660' from boundary or 1,320' from existing well. (Order 73-82)
<b>LONG CREEK</b>				
Charles C	1	0	0	Statewide.
<b>LONG CREEK, WEST</b>				
Nisku	2	0	0	80-acre spacing units comprised of two contiguous quarter quarter sections which may lie in either one or two governmental sections aligned either north-south or east-west with location to be no closer than 330' from unit boundary nor less than 1,000' from any other producing well. (Order 27-77) Field enlarged. (Order 71-83) SWD approved EPA 86.
<b>LOOKOUT BUTTE</b>				
Madison	4	0	4	160-acre spacing; well location in center of SE 1/4 of each quarter section with 150 topographic tolerance. (Order 21-62) Coral Creek Unit not subject to spacing rules. Redelineated. (Order 7-63) Field reductions. (Orders 57-85 and 6-87) Water disposal into Madison. (Order 68-62) Waterflood of Silurian-Ordovician approved in 1966. (Order 35-66) Water from Minnelusa. Enhanced recovery approved EPA-87.
Silurian-Ordovician	38	0	4	
<b>LOOKOUT BUTTE, EAST</b>				
Red River	4	0	0	22 delineated spacing units with wells located no closer than 660' to the unit boundary with 175' topographic tolerance. (Order 87-85) Field enlargement. (Order 6-87) Enhanced recovery approved EPA-87.
Lodgepole	1	0	0	
<b>LORING UNIT</b>				
Bowdoin-Greenhorn-Phillips-Carlile	0	112	1	Federal Unit.
<b>LORING, EAST</b>				
Bowdoin-Greenhorn-Phillips-Carlile	0	81	0	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn and Phillips) exist, a well may be drilled to each discrete formation and may be located no closer than 660' from the unit boundaries. (Order 60-82)
<b>LORING, WEST</b>				
	0	2	0	Spacing units comprised of 1 full section with 4 wells permitted to each formation in each spacing unit located no closer than 660' to the exterior boundary of the section and no closer than 1320' to a well in the same formation. (Order 7-87)
<b>LOWELL</b>				
Red River	3	0	1	320-acre spacing units consisting of two contiguous governmental quarter sections which may lie in either one or two governmental sections. Wells to be located no closer than 660' from unit boundary or closer than 1,650' to well producing from the same horizon. (Order 104-79)
<b>LUSTRE AND AREA</b>				
Madison	49	1	20	80-acre spacing units consisting of 1/2 of a regular governmental quarter section. Either E 1/2 or W 1/2 or N 1/2 and S 1/2. Well to be located in either NE 1/4 or SW 1/4 with 200' tolerance. (Order 19-83) Field enlargement. (Order 43-84) Produced water disposed into Dakota-Swift formation. (Order 39-A-83 and 58-A-84) SWD approved EPA-85, 86, 87.
<b>LUSTRE, NORTH</b>				
Ratcliffe	1	0	0	80-acre spacing units consisting of E 1/2 or W 1/2 of a governmental quarter section; wells located no closer than 660' to spacing unit boundary with 200' topographic or geologic tolerance. (Order 39-84)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>MACKAY DOME</b> Greybull	0	0	4	Statewide.
<b>MARIAS RIVER</b> Bow Island	0	19	2	One well per section per horizon above the top of the Kootenai. Location to be no closer than 990' from section line. (Order 18-78) Field enlargement. (Order 12-83)
<b>MASON LAKE</b> Amsden Cat Creek	2 11	0 0	3 3	80-acre spacing units consisting of one half of a quarter section lying in either east-west or north-south direction; well location in center of the NE and SW quarter-quarter sections of each quarter section with 75' topographic tolerance. (Order 35-78) Amending Order 35-78 for certain lots designated as spacing units. (Order 66-78) Field enlargement. (Order 16-79) Produced water disposed into Muddy formation. (Order 3-A-80) and into Mowry formation. (Order 29-A-84) SWD approved EPA-85.
<b>McCABE</b> Ratcliffe	3	0	0	160-acre spacing units; permitted well to be no closer than 660' from spacing unit boundary. (Order 100-80) 150' tolerance allowed for topographic reasons. (Order 3-81) Board Order No. 100-80 amended to eliminate the requirement of 1,650' between wells producing from the Madison Group. (Order 37-81)
<b>McCABE, WEST</b> Red River	1	0	0	Single spacing unit. (Order 49-84)
<b>McCOY CREEK</b> Red River	1	0	0	Statewide.
<b>MEDICINE LAKE</b> Silurian-Ordovician Winnipegosis Mission Canyon	7 2 0	0 0 0	0 0 1	320-acre spacing units comprised of any two contiguous governmental quarter sections in either one or two governmental sections. Well to be located no closer than 660' from unit boundary nor closer than 1,650' to any well producing from the same formation. (Order 50-79) Produced water disposed into Muddy, Kibby and Dakota formations. (Orders 133-A-81, 111-A-82)SWD approved EPA 86.
<b>MELSTONE</b> Tyler	12	0	0	Statewide. Enhanced recovery approved EPA 86.
<b>MIDDLE BUTTE</b> Bow Island Blackleaf Second White Specks	0 0 0	2 1 1	0 0 0	Orders 3-60, 21-75 amended to delineate field extension and 320-acre spacing units consisting of the E 1/2 and W 1/2 of each section; well location no closer than 990' from the section line and 660' from the interior boundary. (Order 47-77)
<b>MIDFORK</b> Charles C	2	0	1	Statewide. SWD approved EPA 86.
<b>MINERAL BENCH</b> Charles C	1	0	0	Statewide. Water disposal into Dakota-Lakota per (Order 18-65). Produced water injected into Judith River. (Order 110-A-82) SWD approved EPA 86
<b>MINERS COULEE</b> Bow Island Sawtooth Sunburst	0 0 0	13 0 2	1 1 9	Oil: 40-acre units consisting of quarter-quarter sections; well location no closer than 330' from lease or property line and 660' from any other well. (Order 9-66) Order 9-66 amended to comply with Order 5-74. Gas: 160-acre spacing with wells 990' from boundary. (Order 5-74) Sawtooth gas spacing unit. (Order 43-76) Field redelineation. (Order 44-77) Field enlargement. (Order 4-80)
<b>MISSOURI BREAKS</b> Red River	1	0	0	320-acre spacing units as specified by Order 97-82.
<b>MONA</b> Red River	1	1	1	Statewide.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>MONARCH</b>				
Madison	0	0	2	80-acre spacing units consisting of E and W 1/2 of quarter section. Well location in SW 1/4 and NE 1/4 of quarter section. Location within 660' square at center of quarter section. (Order 18-61) 160-acre spacing units consisting of a quarter section; well location in center of SW 1/4 of each quarter section with 175' topographic tolerance. (Orders 12-59, 4-63) Produced water is disposed into the salt water disposal system for the Pennel Field. Waterflood initiated 12-1-73. (Order 23-73) Produced water disposed into the Silurian and Charles formation. (Orders 52-A-83 and 55-A-83)
Silurian-Ordovician	16	0	6	
<b>MONDAK, WEST</b>				
Devonian	1	0	0	320-acre spacing units for Silurian and Ordovician pools. Units to consist of either N 1/2 and S 1/2, or E 1/2 and W 1/2. Well location to be no closer than 660' to unit boundary or closer than 1,650' to any well drilling or producing from same pool. (Order 42-77) 320-acre spacing units for Madison and Devonian formations. Units to consist of either N 1/2 and S 1/2, or E 1/2 and W 1/2. Well location to be no closer than 660' from a quarter section line or section line and no closer than 1,650' to any well drilling or producing from same pool. (Orders 23-77, 33-78, 51-79) Order 51-79 amended to enlarge Madison formation delineation. (Order 95-83) Produced water injected into Dakota-Lakota. (Order 49-A-78 and 111-A-80) SWD approved EPA 86.
Madison	27	0	2	
Silurian-Ordovician	11	0	1	
<b>MOSSER DOME</b>				
Mosser Sand	21	0	1	Spacing waived. Future development requires administrative approval of the Board. (Order 27-62)
<b>MT. LILLY</b>				
Bow Island	0	1	0	640-acre spacing, well location in approximate center of any of the four quarter-quarter sections adjoining center of section; 250' topographic tolerance. (Order 37-63)
Madison	0	0	2	
Swift	0	1	0	
<b>MUSSELSHELL</b>				
Tyler	1	0	1	Statewide.
<b>MUSTANG</b>				
Red River	3	0	0	Statewide.
<b>NEISER CREEK</b>				
Red River	1	0	0	Single spacing unit. (Order 78-82)
<b>NINEMILE</b>				
Nisku	2	0	0	Statewide.
<b>NOHLY</b>				
Nisku	5	0	0	Single spacing unit. (Order 77-84) Field enlarged for 320-acre Red River spacing units (Order 54-84) and 160-acre Nisku spacing units. (Order 55-84)
Ratcliffe	4	0	0	
Red River	3	0	0	
<b>NOHLY, SOUTH</b>				
Red River	1	0	0	Single spacing unit. (Order 35-83)
<b>NORTH FORK</b>				
Madison	6	0	0	Statewide.
<b>O'BRIENS COULEE</b>				
Blackleaf	0	1	1	Statewide.
Bow Island	0	12	3	
Bow Island-Spike	0	1	0	
Second White Specks	0	1	0	
<b>OLD SHELBY AND AREA</b>				
Bow Island	0	4	0	320-acre spacing units to be comprised of either E 1/2, W 1/2, N 1/2, or S 1/2 of a section for Swift, Kootenai, Dakota, and Sunburst gas. Well location to be no closer than 660' to the unit boundary. Original spacing Order 85-81 plus field enlargement and amendment orders were superseded by Order 90-83. Field extensions. (Orders 15-84, 83-84, 98-84, 116-84, 33-85, 60-86, 12-87)
Swift-Sunburst	0	35	2	



Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>OLJE</b>				
Mission Canyon	0	0	1	Single 160-acre spacing unit. (Order 35-85)
Red River	1	0	0	
<b>OLLIE</b>				
Duperow	1	0	0	320-acre specified spacing units for the Red River and Duperow formations. The permitted well for each spacing unit to be located no closer than 660' from the spacing unit boundary. (Order 73-80)
Red River	1	0	0	
				Produced water disposed into the Dakota formation. (Order 11-A-82)
<b>OTIS CREEK</b>				
Red River	2	0	0	Statewide.
<b>OTIS CREEK, SOUTH</b>				
Red River	2	0	1	320-acre spacing units; well to be located no closer than 660' to unit boundary. (Order 39-72) Extended field boundary. (Orders 56-76, 67-76) Orders 39-72 and 56-76 amended to eliminate spacing units. New spacing units are quarter sections. Well location no closer than 660' from unit boundary or 1,650' from producing well with 150' tolerance. Operator may designate contiguous quarter sections as spacing units. (Order 73-81)
<b>OUTLOOK</b>				
Duperow	1	0	0	160-acre spacing units; well location in center of either SW 1/4 or NE 1/4 of each quarter section; 175' topographic tolerance. (Order 19-59A)
Interlake	2	0	1	
Nisku	1	0	0	Produced water is disposed into Dakota and Siluro-Devonian formations (Orders 16-59, 17-65, 36-66, 9-A-77) into Madison formation (Order 59-A-78) and into Dakota and Muddy formations. (Order 61-A-84) SWD approved EPA 86.
Winnipegosis	5	0	1	
<b>OUTLOOK, SOUTH</b>				
Winnipegosis	1	0	0	160-acre spacing; permitted wells in either SW 1/4 or NE 1/4 of quarter section; 175' topographic tolerance. (Orders 19-59A) Commingling permitted. (Order 45-64) Produced water disposed into Muddy and Dakota formations. (Order 17-65).
<b>OUTLOOK, WEST</b>				
Winnipegosis	2	0	0	160-acre spacing units consisting of quarter sections; permitted wells in either SW 1/4 or NE 1/4 with a tolerance of 175'. (Order 7-67) Produced water disposed into Dakota formations. (Order 42-66)
<b>OWBOW</b>				
Red River	1	0	0	320-acre spacing units consisting of two contiguous governmental quarter sections which may be in one or two governmental sections lying east-west or north-south at operator's option. Location to be no closer than 660' to the unit boundary or closer than 1,650' to a well producing from same pool. (Order 7-78) Field enlargement. (Order 137-80)
<b>OWBOW II</b>				
Red River	1	0	0	320-acre spacing units consisting of two contiguous quarter sections which may cross section lines; wells located no closer than 660' to spacing unit boundaries. (Order 50-84)
<b>PALAMINO</b>				
Nisku	5	0	0	Statewide. Produced water disposed into the Dakota formation. (Order 6-A-82, 58-A-82) SWD approved EPA 86.
<b>PARK CITY</b>				
Virgelle	0	1	0	Statewide
<b>PELICAN</b>				
Red River	1	0	0	320-acre spacing units; wells to be located no closer than 660' to any governmental section or quarter section line boundary. (Order 21-79)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>PENNEL</b> Silurian-Ordovician	183	0	25	80-acre spacing units consisting of E and W 1/2 of quarter section; wells located in center of SE 1/4 and NW 1/4 of quarter sections with 150' topographic tolerance. (Order 15-61) 80-acre spacing units on west side and 160-acre spacing units on east side of pool. Wells to be located in SE 1/4 and NW 1/4 of each quarter section (80 acres) and in SE 1/4 of each quarter section on 160-acre spacing. (Orders 1-56, 8-56, 15-61, 20-62, 4-63, 7-63) Commingling approved. (Order 59-62) Produced water is being injected into Dakota, Siluro-Ordovician and Madison formations. (Orders 16-60, 46-62, 68-62, 36-63, 13-64) Waterflood for Siluro-Ordovician approved November 1968. (Order 24-68) Enhanced recovery approved EPA 86. SWD approved EPA-87.
<b>PETE CREEK</b> Sunburst	1	0	0	Statewide.
<b>PHANTOM</b> Sunburst	0	2	4	Gas: wells permitted anywhere within the unit but no closer than 990' to the unit boundary. Oil: Projected depths greater than 6,000' to be located no closer than 660' to the unit boundary. Project depths less than 6,000' to be located no closer than 330' to the unit boundary. (Order 48-77)
<b>PHANTOM, WEST</b> Sunburst	0	1	0	One well per spacing unit to be located no closer than 660' to the exterior boundaries of three certain spacing units. (Order 65-78)
<b>PINE</b> Madison Silurian-Ordovician	1 102	0 0	2 27	Statewide spacing rules are waived within the Pine Unit. 80-acre spacing units outside of unit area; well location in NW 1/4 and SE 1/4 of quarter section; 150' topographic tolerance. (Order 37-62) Gas through extraction plant. A waterflood program for the south area was started in 1959. A waterflood of the north area was approved in 1967. (Orders 13-68, 1-60, 8-62, 32-67) Produced water injected into Mission Canyon. (Order 10-A-74) Brine and CO <sub>2</sub> injection test. (Order 70-83) Enhanced Recovery Approved EPA-85.
<b>PIPELINE</b> Red River	1	0	0	Statewide
<b>PLENTYWOOD</b> Winnipeg	0	0	1	Statewide.
<b>POLICE COULEE</b> Bow Island	0	7	2	320-acre spacing units; location no closer than 990' from section line and 660' from half section lines. Spacing units to consist of N 1/2 or S 1/2, E 1/2 or W 1/2 at discretion of operator. (Order 53-76) Extended field boundaries. (Order 24-77) Field enlargements. (Orders 20-79 and 46-79)
<b>PONDERA</b> Madison Sun River Morrison	372 13 1	0 0 0	32 2 0	Oil: 220' from legal subdivision, 430' from other wells in same reservoir on same lease; 75' topographic tolerance. Porter Bench Extension: 330' from legal subdivision line; 650' from other wells in same reservoir on same lease or unit; 75' topographic tolerance. (Order 9-54) Gas: Well to be located no closer than 1,320' from the boundaries of any quarter section line, nor less than 3,700' from every other drilling or producible well on the same lease or unit. (Order 9-54 corrected) Amend Order 9-54 to designate 160-acre spacing units for gas with wells to be located no closer than 660' from unit boundaries. (Order 26-83) Produced water injected into lower Madison. (Orders 11-56, 15-56, 4-65, 4-66, 20-A-71, 57-A-78, 58-A-78, 62-A-78, 71-A-78, 29-A-79, 62-A-79, 63-A-79, 64-A-79, 65-A-79, 14-A-80, 15-A-80, 16-A-80, 17-A-80, 127-A-81, 108-A-82, 7-A-82, 1-A-83, 30-A-84) SWD approved EPA 86, 87.
<b>PONDERA COULEE</b> Madison Sun River	3 5	0 0	0 0	330' from legal subdivision lines or upon a 10-acre spacing pattern; 75' topographic tolerance. (Order 5-62)
<b>POPLAR, EAST</b> Heath Madison Nisku	1 58 1	0 0 0	1 6 0	Statewide spacing; field delineated by Order 7-55. Redelineation of field. (Order 25-76) Unitized in 1955. (Order 7-55) Excess produced water has been injected into the Dakota, Judith River, and Mission Canyon formations. (Orders 1-55, 5-57, 7-57, 14-61, 21-61, 34-61, 10-62, 51-67, 10-A-73, 127-A-80, and 121-A-81) SWD approved EPA 86, 87.)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>POPLAR, NORTHWEST AND AREA</b>				
Charles	31	0	4	80-acre spacing units consisting of E 1/2 and W 1/2 of each quarter section; permitted wells to be located in the center of NW 1/4 or SE 1/4 of each quarter section with 75' tolerance allowed in any direction for surface hazards and obstructions. (Order 18-55) 80-acre specifically designated spacing units with well location to be located in the center of the NW 1/4 or SE 1/4 of each quarter section with a tolerance of 150' in any direction for topographic or geologic reasons. (Order 26-76) 80-acre spacing units to be N 1/2 and S 1/2 or E 1/2 and W 1/2 of each quarter section; permitted well to be located in center of each NE 1/4 or SW 1/4 of each quarter section with 150' tolerance for topographic or geologic reasons. (Orders 124-80, 97-84 and 6-85)  80-acre spacing units for test wells to the Charles formation; spacing units to be N 1/2 and S 1/2 or E 1/2 and W 1/2 of each quarter section with location to be in center of each NE 1/4 of SW 1/4 of each quarter section with 150' tolerance for archeological reasons only. (Order 161-81) Field enlargement with 80-acre spacing units consisting of N 1/2 and S 1/2 of each quarter section with wells to be located in center of the NE or SW quarter of each quarter section with 150' topographic or geologic tolerance. (Order 42-83)  Produced water disposed into Dakota. (Order 61-A-78, 128-A-82, 62-A-83) Produced water disposed into the Judith River formation. (Orders 13-A-82 and 14-A-82) SWD approved EPA-85, 86.
<b>PRAIRIE DELL</b>				
Bow Island-Dakota-Sunburst-Swift	0	55	0	320-acre spacing units with well location no closer than 660' to spacing unit boundary. (Order 10-76) Redelineation and amendment to Order 10-76. Field enlargement by Orders 28-78, 24-79, 132-80, 40-81, 54-81, 142-81, 56-83, 9-85, 60-86 and 12-87).
<b>PRAIRIE DELL, WEST</b>				
Swift	0	1	0	Statewide
<b>PRAIRIE ELK</b>				
Charles C	2	0	0	Statewide.
<b>PRICHARD CREEK</b>				
Bow Island	0	0	2	Well locations subject to administrative approval. Unitized as to Sunburst for water injection. (Order 7-73)
Sunburst	1	0	5	
Swift	1	0	0	
<b>PRONGHORN</b>				
Red River-Interlake	5	0	0	160-acre spacing units; wells located no closer than 660' from unit boundary with 150' topographic or geologic tolerance. (Orders 75-84 and 110-84)
<b>PUMPKIN CREEK</b>				
Shannon	0	0	2	Statewide. Delineated. (Order 10-71)
<b>PUTNAM</b>				
Interlake	5	0	0	Statewide, except for single spacing unit consisting of portions of Sections 15 and 16, T23N, R57E for production from all formations between 6,000 to 11,000 feet. (Order 2-84 amended by Order 11-85)
Madison	5	0	0	
Red River	7	0	0	
<b>RABBIT HILLS</b>				
Sawtooth	2	0	0	Statewide
<b>RABBIT HILLS, NORTHEAST</b>				
Sawtooth	5	0	0	Statewide.
<b>RABBIT HILLS, SOUTHWEST</b>				
Sawtooth	1	0	0	Statewide.
<b>RAGGED POINT</b>				
Tyler	5	0	6	40-acre spacing units; 75' topographic tolerance. (Order 8-59) Spacing waived for Tyler "A" sand reservoir within Tyler "A" Sand Unit except no well can be closer than 660' to unit boundary. (Order 35-65)  A waterflood project on the Tyler "A" sand was commenced in February 1966, using Third Cat Creek water. (Order 35-65)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>RAGGED POINT, SOUTHWEST</b>				
Tyler	12	0	0	Applicants may drill and produce wells to the Tyler "A" formation anywhere within the unit but not closer than 330' to the unit boundaries. (Order 83-82) Tyler "A" waterflood unit agreement approval effective August 1, 1982. (Order 83-82)
<b>RAINBOW</b>				
Red River	1	0	0	Single spacing unit. (Order 69-82)
<b>RAPELJE</b>				
Eagle-Virgelle-Clagget	0	14	1	160-acre spacing. Wells no closer than 990' to unit boundary. Commingling after administrative approval. (Order 29-73)
<b>RATTLER BUTTE</b>				
Tyler	5	0	1	Statewide.
<b>RATTLESNAKE BUTTE</b>				
Amsden	4	0	3	Statewide. SWD approved EPA 86, 87.
Cat Creek	2	0	0	
<b>RATTLESNAKE COULEE</b>				
Bow Island	0	0	2	Statewide.
Sunburst	1	1	0	
<b>RAYMOND</b>				
Duperow	0	1	0	320-acre spacing units for Red River, Winnipegosis, Duperow, and Nisku formations. Wells 660' from spacing unit boundary. (Order 38-72) Gas Storage. (Order 50-78 and amended by Order 60-79) Mississippian pool delineation with 40-acre spacing units, wells no closer than 330' to spacing unit boundary. (Order 35-79) Field enlargement for Mississippian pool. (Orders 31-80 and 128-80) Field reduction for Nisku pool. (Order 135-81) Produced water injected into Dakota formation. (Order 38-A-74) Produced water injected into Mission Canyon. (Order 105-A-79 and 113-A-80) Produced water injected into Ratcliffe formation. (Order 131-A-81) Authorization to inject gas into the Nisku formation. (Order 135-81)
Mississippian	6	0	3	
Nisku	1	0	0	
Red River	2	0	0	
Winnipegosis	2	0	0	
<b>RAYMOND, NORTH</b>				
Red River	1	0	0	Single spacing unit. (Order 94-82)
<b>REAGAN</b>				
Madison	53	4	14	Statewide. (Order 17-54) A pressure maintenance project utilizing gas injection was started in 1961. (Order 21-60) Waterflood. (Order 27-72)
<b>RED BANK</b>				
Madison	11	0	1	Statewide. Produced water disposed into the Dakota formation. (Order 10-A-82)
Red River	3	0	0	
<b>RED BANK, SOUTH</b>				
Red River	1	0	0	Statewide.
<b>RED CREEK</b>				
Cut Bank-Madison	18	0	3	40-acre spacing units; wells in center of spacing unit with 75' topographic or obstruction tolerance; spacing and field rules waived for unitized portion. (Orders 16-58, 73-62, 31-64, 5-70) Excess produced water injected into Bow Island and Madison. (Orders 22-63, 37-64, 40-A-83, and 19-A-84) A waterflood project in the Cut Bank sand was initiated in June 1965, using Madison water. Enhanced recovery approved EPA 86, 87.
<b>RED FOX</b>				
Nisku	1	0	0	Field consists of one 160-acre spacing unit which straddles the section line. (Order 20-67)
<b>RED ROCK</b>				
Eagle	0	2	1	Spacing units shall consist of the N 1/2 and S 1/2 of section with permitted well to be no closer than 990' from exterior section line nor closer than 660' to half section line. (Order 89-79)
Judith River	0	1	1	
<b>RED WATER</b>				
Duperow	0	0	1	Statewide.



Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>RED WATER, EAST</b> Red River	1	0	0	320-acre spacing units consisting of 2 contiguous quarter sections with permitted well to be no closer than 660' to exterior boundaries of spacing unit. (Order 31-83)
<b>REDSTONE</b> Winnipegosis	1	0	0	One well per 160-acre unit, but no closer than 660' from unit boundary. (Order 30-67)
<b>REFUGE</b> Red River	1	0	0	Statewide.
<b>REPEAT</b> Red River	1	0	0	Statewide.
<b>RESERVE</b> Red River Winnipegosis	3 1	0 0	0 0	160-acre spacing units; permitted well within 1,320' square in center of quarter section. Commingling of Red River and Interlake production permitted on individual well basis. (Orders 34-66, 27-67) Field reduction. (Order 68-85) Excess water injected into Dakota sand. (Order 23-A-67) SWD approved EPA-85.
<b>RESERVE II</b> Red River	1	0	0	Single 160-acre spacing unit. (Order 44-87)
<b>RESERVE, SOUTH</b> Red River	1	0	0	Single spacing unit. (Order 33-86)
<b>RICHEY AND AREA</b> Charles	4	0	1	Statewide. Original 80-acre spacing revoked. (Order 11-73)
<b>RICHEY, EAST</b> Charles	0	0	1	Statewide.
<b>RICHEY, SOUTHWEST</b> Interlake	1	0	0	160-acre spacing units; wells no closer than 900' from boundary of spacing unit. (Order 25-62) A waterflood project in the Interlake and Dawson Bay was started in 1965. (Order 34-65)
<b>RIDGELAWN</b> Duperow Madison Red River	5 24 4	0 0 0	1 2 0	Statewide. SWD approved EPA 86.
<b>RIPRAP COULEE</b> Ratcliffe	5	0	0	160-acre spacing units; wells located no closer than 660' from spacing unit boundary with 150' topographic and geologic tolerance. (Order 93-84)
<b>RIVER BEND</b> Red River	1	0	0	Statewide.
<b>ROCKY BOY AREA</b> Eagle	0	7	0	Statewide.
<b>ROCKY POINT</b> Red River	1	0	1	320-acre spacing unit; well to be located no closer than 660' from exterior boundary. (Order 22-79)
<b>ROSCOE DOME</b> Lakota	0	0	3	Statewide. Steam injection into Greybull and Lakota formations. (Order 40-82)
<b>ROSEBUD</b> Tyler	5	0	0	Statewide.
<b>ROYALS</b> Dawson Bay	1	0	0	Statewide.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>RUDYARD</b>				
Eagle	0	2	0	640-acre spacing units consisting of one section; well location in center of NW 1/4 of section with 75' topographic tolerance. (Order 2-58) Field boundaries reduced. (Order 39-76)
Sawtooth	0	5	0	
<b>RUNAWAY</b>				
Madison	1	0	0	Statewide.
<b>RUSH MOUNTAIN</b>				
Winnipegosis	1	0	0	Statewide. Dual zone completion in discovery well. Commingling approved. (Order 17-85) Excess water injected into Dakota Sand. (Order 5-A-71) SWD approved EPA-87.
Red River	0	0	1	
<b>SAGE CREEK</b>				
Blackleaf	0	1	0	640-acre spacing, one producing well per section per formation above the Kootenai to be located no closer than 990' from section line. (Order 38-77) Amended field boundary. (Order 86-79) Field enlargement. (Order 33-81, 65-83 and 36-84)
Bow Island	0	1	0	
Second White Specks	0	15	2	
<b>SALT LAKE</b>				
Nisku	3	0	0	Statewide. Produced water disposed into Nesson (Madison) formation. (Order 61-A-80)
Ratcliffe	1	0	0	
Red River	2	0	0	
<b>SAND CREEK</b>				
Interlake	3	0	1	80-acre spacing units consisting of any two adjacent quarter-quarter sections. Wells located in center of NW 1/4 and SE 1/4 of each quarter section. (Order 16-59) Commingling of production from Interlake and Red River authorized. (Order 49-62) Excess produced water is injected into the Swift formation. (Order 9-61) SWD approved EPA 86.
<b>SANDWICH</b>				
Swift	0	1	0	320-acre spacing unit. Well located no closer than 990' to spacing unit boundaries. (Order 17-77)
<b>SATURN</b>				
Ratcliffe	0	0	1	Statewide.
<b>SAWTOOTH MOUNTAIN &amp; AREA</b>				
Eagle	0	31	3	640-acre spacing units, one well per section per formation, location to be not less than 990' from governmental section line. (Order 45-76) Amended to allow one well per formation per quarter section in six sections. Wells no closer than 660' to quarter section lines and 990' to section lines. (Order 65-85)
Judith River	0	3	3	
<b>SECOND CREEK</b>				
Duperow	0	0	1	303.1-acre Red River spacing unit. (Order 34-78) (Order 127-A-82) 160-acre Duperow spacing units; well locations for each unit to be as specified by Order 119-80. Produced water injected into Dakota/Lakota formations.
Red River	4	0	0	
<b>SHEEPHERDER</b>				
Tyler	2	0	0	Statewide. Waterflood of Tyler "A" authorized May 1984. (Order 33-84) Amended. (Order 107-84)
<b>SHELBY AREA</b>				
Sunburst	0	2	0	Statewide
<b>SHERARD</b>				
Eagle	0	32	31	640-acre spacing units; 990' from section line. (Order 1-74) 160-acre spacing units; (Eagle) 990' from section line, 660' from quarter section line. (Order 7-77) Enlarged field boundary with well locations no closer than 660' from quarter section line in enlarged area. (Order 4-83) 320-acre Eagle gas spacing units for Sections 19 and 30, T26N, R17E; wells located no closer than 990' to unit boundaries. (Order 24-87)
Judith River	0	2	3	
<b>SHOTGUN CREEK</b>				
Ratcliffe	3	0	0	Statewide.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>SIDNEY</b>				
Madison	17	0	8	160-acre spacing units for Madison Group. One well per spacing unit to be located no closer than 660' from unit boundary and no closer than 1,650' to well producing from the same formation. (Order 5-79) Field enlargement. (Order 99-80) Excess water injected into Dakota formation. (Order 41-A-78) SWD approved EPA 86.
Red River	2	0	0	
<b>SIDNEY, EAST</b>				
Madison	9	0	0	Statewide.
<b>SINGLETREE</b>				
Winnipegosis	1	0	0	Single spacing unit. (Order 78-84) Produced water disposed into Dakota formation. (Order 59-A-80)
<b>SIOUX PASS</b>				
Mission Canyon	1	0	0	320-acre spacing units consisting of two adjacent governmental quarter sections lying north-south or east-west at operator's option. Permitted well no closer than 660' from unit boundary. (Interlake and Red River) 160-acre spacing unit (Mission Canyon) with well no closer than 660' from unit boundary. Commingling of Interlake and Red River production authorized. (Order 10-75) Amended field boundary. (Order 15-77) Field reduction. (Order 89-81) Excess water injected into Dakota formation (Order 15-A-75) SWD approved EPA 86.
Red River	7	0	0	
Interlake	1	0	0	
<b>SIOUX PASS, EAST</b>				
Red River	2	0	0	Statewide.
<b>SIOUX PASS, MIDDLE</b>				
Red River	6	0	0	320-acre spacing units to consist of two contiguous governmental quarter sections at operator's option. Location to be no closer than 660' from exterior boundary of unit and no closer than 1,650' from well producing from same formation. Commingling permissible with Administrative approval. (Order 55-76) An exception to Order 55-76 by (Order 39-81).
<b>SIOUX PASS, NORTH</b>				
Duperow	0	0	1	320-acre spacing units with well locations at least 660' from unit boundary. (Order 12-75) Commingling approved. (Order 17-76) Field amendments. (Order 8-79, 10-81, and 13-86) Field extensions. (Orders 12-77, 13-79 and 48-81) Produced water injected in Dakota-Lakota formations. (Order 34-A-75) Two 320-acre spacing units. (Orders 107-80, 74-82)
Madison	4	0	0	
Red River	15	0	2	
Red River/Nisku	1	0	0	
<b>SIOUX PASS, SOUTH</b>				
Red River	2	0	0	Statewide.
<b>SNOOSE COULEE</b>				
Bow Island	0	6	2	640-acre spacing units; location no closer than 990' from spacing unit boundary. Bow Island and shallower formations. (Order 18-77)
Swift	1	0	0	
<b>SNYDER</b>				
Tensleep	2	0	2	10-acre spacing units with center 5-spot permitted; 150' topographic tolerance. (Order 45-62)
<b>SOAP CREEK</b>				
Madison-Amsden	22	0	2	One well per 10-acre spacing unit per producing formation; well location in center of spacing unit with 100' topographic tolerance. (Order 26-60)
Tensleep	9	0	2	
<b>SOAP CREEK, EAST</b>				
Tensleep	3	0	0	Statewide.
<b>SOBERUP COULEE</b>				
Bow Island	0	1	0	Statewide.
<b>SOUTH FORK</b>				
Mission Canyon	0	0	1	Statewide. SWD approved EPA-87.
Red River	3	0	0	
<b>SPRING COULEE</b>				
Sawtooth	0	3	0	Statewide.

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>SPRING LAKE</b>				
Bakken	1	0	0	One well per 160-acre spacing unit. Well location anywhere within 840' square in center of spacing unit. (Order 6-63) Field redelineation. (Orders 30-76, 49-76)
Red River	2	0	0	
<b>SPRING LAKE, SOUTH</b>				
Red River	1	0	0	Single spacing unit. (Order 81-81)
<b>SPRING LAKE, WEST</b>				
Bakken	1	0	0	Single spacing unit. (Order 42-82)
<b>STAMPEDE</b>				
Duperow	1	0	0	320-acre specified spacing units for the Red River formation. 160-acre spacing units for the Duperow formation with well location to be no closer than 660' from a spacing unit boundary line. (Order 19-82)
Red River	1	0	0	
<b>STENSVAD</b>				
Tyler	9	0	7	40-acre spacing units; well location in center of spacing unit with 200' tolerance. (Orders 2-59 and 7-60) Wells may be drilled anywhere within waterflood unit boundary, no closer than 660' from unit boundary. (Order 5-65, amended) SWD approved EPA 86.
<b>STRAWBERRY CREEK AREA</b>				
Bow Island	0	0	1	Statewide.
Burwash	0	1	0	
<b>STUDHORSE</b>				
Stensvad	2	0	3	Statewide.
Tyler	0	0	1	
<b>SUMATRA</b>				
Amsden-Tyler	72	1	80	40-acre spacing units; well located in center of unit with 75' tolerance. (Order 14-58) Field redelineated. (Order 14-75) Vacuum pumps permitted on certain wells. (Orders 99-79 and 32-80)  Seven waterflood units using Madison water. (Orders 48-67, 6-69, 19-69, 23-69, 5-75, 21-78, and 43-80) Produced water disposed into Madison formation. (Order 7-A-76) Convert CSTSU, SESTSU and Kincheloe Sumatra Unit to tertiary recovery projects. (Orders 99-84, 100-84 and 29-85)
Heath	1	0	0	
Madison	0	0	1	
<b>SUNNYHILL</b>				
Madison	2	0	0	320-acre spacing units; location to be no closer than 660' to the section or quarter section line which is the exterior boundary of the unit nor closer than 1,650' to any well producing from same formation. (Order 39-78) Field boundaries reduced. (Order 79-84) Produced water disposed into Dakota formation (Order 27-A-80)
Red River	1	0	0	
<b>SUNNYHILL, WEST</b>				
Red River	1	0	0	Statewide. SWD approved EPA-85.
<b>SWANSON CREEK</b>				
Bowdoin-Greenhorn-Phillips	0	59	1	320-acre spacing units; (Order 36-75) amended to enlarge field and provide that spacing units may run north-south or east-west with permitted wells to be no closer than 990' to section or quarter section lines. (Order 11-78) Field boundaries extended by Orders 32-78, 92-79, 66-80 and 55-81. All previous Swanson Creek orders are amended to allow one additional well in each existing 320-acre spacing unit that shall be drilled in a manner that there be no more than one well per quarter section and located no closer than 660' to the quarter section boundaries. (Order 28-82)
<b>SWEETGRASS</b>				
Sunburst	0	2	0	Single spacing unit. (Order 121-82)
<b>TARGET</b>				
Madison	7	0	5	Single spacing unit for Mission Canyon/Ratcliffe formations. (Order 18-82) Amendment to Order 18-82 for field enlargement and establishing 160-acre spacing units with permitted well locations to be no closer than 660' from the unit boundaries. 150' tolerance for topographic reasons. (Order 35-82) Field enlargement. (Order 23-84) SWD approved EPA 86.
<b>THIRTY MILE</b>				
Sawtooth	1	0	0	Statewide.



Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>THREE BUTTES</b>				
Red River-Gunton	2	0	0	160-acre spacing units, well location no closer than 660' from governmental quarter section line or unit boundary. (Order 11-81).
Mission Canyon	1	0	0	
<b>THREE MILE</b>				
Eagle	0	4	2	Statewide.
<b>TIBER</b>				
Bow Island	0	1	0	Spacing allows one well for each gas producing horizon to be located anywhere within the section but no closer than 990' to the section line. (Order 143-81) Enlarged. (Order 21-84) Two wells for each formation per section no closer than 1,320' to each other in each section. (Order 28-85).
<b>TIBER, EAST</b>				
Bow Island	0	7	0	One well per governmental section located no closer than 990' to section lines. (Order 21-84) Two wells for each formation per section no closer than 1,320' to each other in each section. (Order 28-85).
<b>TIGER RIDGE &amp; AREA</b>				
Eagle	0	264	47	Field delineation and redelineations. (Orders 17-67, 23-68, 10-70, 13-75, 46-78, 48-79, and 26-80) Statewide spacing for field area not unitized. Spacing rule amendments. (Orders 11-72, 41-72, 32-73, 37-75, 51-77, 52-77, 79-79, 26-80, 50-80, 51-80, 54-80, 26-82, 14-84, 26-85, 48-85, 49-85, and 56-85)
Judith River	0	1	0	
				Excess produced water injected into Eagle formation. (Orders 19-A-73, 46-A-75) (Order 19-A-73) Amended by Order 60-A-78. SWD approved EPA-87.
<b>TIGER RIDGE, NORTH</b>				
Eagle	0	1	0	160-acre spacing units; one well per horizon per spacing unit from the Virgelle formation to the surface. Well to be no closer than 990' to the section line nor closer than 660' to the interior quarter section line. (Order 80-79)
<b>TIMBER CREEK</b>				
Sunburst	0	0	1	Statewide.
<b>TIPPY BUTTES</b>				
Tyler	1	0	0	Statewide. Water injection into lower Tyler formation. (Order 57-82)
<b>TRAIL CREEK</b>				
Bow Island	0	5	0	One well per 320-acres consisting of S 1/2 and N 1/2 of each governmental section but not closer than 990' from spacing boundary. (Orders 33-70, 28-76) Field enlargements. (Order 135-80)
Swift-Sunburst	0	3	0	
<b>TULE CREEK</b>				
Nisku	3	0	1	160-acre spacing units with permitted well anywhere within 1,320' square in center of each unit. (Orders 26-62, 6-65, 11-67, 5-77, 52-86)
Devonian	1	0	0	
				Produced water injected into Dakota and Judith River formations. (Orders 12-66, 24-67, 8-A-76, 134-A-81) Produced water disposed into Dakota formation. (Order 38-A-82) SWD approved EPA 86.
<b>TULE CREEK, EAST</b>				
Nisku	1	0	0	160-acre spacing units with permitted well anywhere within 1,320' square in center of each unit. (Orders 40-64, 6-65, 4-86)
				Water injected into Judith River formation. (Order 13-68) Water injected into Nisku formation. (Order 28-A-79)
<b>TULE CREEK, SOUTH</b>				
Nisku	1	0	1	160-acre spacing units with permitted well anywhere within a 1,320' square in center of each unit. (Orders 34-64, 6-65)
				Authority given to dispose of produced water into Dakota. (Order 44-64) Into Judith River formation. (Order 29-67)
<b>TWO FORKS</b>				
Eagle	0	0	1	Statewide.
Judith River	0	0	1	

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>TWO WATERS</b>				
Bakken	2	0	0	Statewide.
Red River	1	0	0	
<b>UTOPIA</b>				
Bow Island	0	4	0	640-acre spacing units for Bow Island and Sawtooth; well location may be anywhere within the unit but no closer than 990' to any governmental section line. (Order 13-80)
Sawtooth	0	2	0	
Swift	26	0	1	40-acre spacing units for Swift formation; location to be in center of quarter-quarter section with no more than 100' topographic tolerance. (Order 9-78) Order 9-78 amended. Spacing units shall consist of 1 well per quarter-quarter section no closer than 330' from the section boundary. (Order 96-81)
<b>VANDALIA</b>				
Bowdoin	0	7	0	160-acre spacing units; where discrete gas formations (Bowdoin, Greenhorn, and Phillips) exist a well may be drilled to each discrete formation and to be located no closer than 660' to the unit boundaries. (Order 61-82)
Green Horn	0	0	1	
Phillips	0	1	0	
<b>VAUX</b>				
Interlake	2	0	0	Statewide. Single spacing unit with commingling approved for Madison group. (Order 63-83)
Madison	18	0	0	Single spacing unit for Mississippian Bakken formation. (Order 20-86) Single 160-acre spacing unit for Mission Canyon formation. (Order 25-87)
Red River	5	0	0	
Stonewall	1	0	0	Produced water injected into the Dakota formation. (Order 44-A-79 and 109-A-82)
<b>VIDA</b>				
Interlake	1	0	0	160-acre spacing units with permitted well anywhere within an 840' square in center of each unit. (Order 39-63) Field area reduction. (Order 79-76)
<b>VOLT</b>				
Madison	1	0	0	160-acre spacing units with permitted well anywhere within a 1,320' square in center of each unit. (Orders 27-64, 6-65, 32-65) Statewide.
Nisku	4	0	1	Excess produced water is disposed into Judith River. (Orders 3-65, 37-A-74) SWD approved EPA-87.
<b>WAGON BOX</b>				
Tyler	0	0	2	Statewide.
<b>WAGON TRAIL</b>				
Red River	0	0	1	Statewide. Single 320-acre spacing unit. (Order 2-83)
<b>WAKEA</b>				
Red River-Interlake	5	0	0	Two 320-acre spacing units. (Order 84-83) Field enlarged. (Order 34-84) Wells located no closer than 660' to spacing unit boundaries.
Winnipegosis	2	0	0	
Nisku	1	0	0	
<b>WEED CREEK</b>				
Amsden	2	0	0	Statewide.
<b>WELDON</b>				
Kibbey	0	0	2	80-acre spacing unit; each quarter section divided into two separate units running in either a north-south or east-west direction; well location in center of NE 1/4 and SW 1/4 of quarter section with 200' topographic tolerance. (Order 9-65) Excess produced water is disposed into the Dakota, Lakota, Morrison, Charles, and Kibbey formations. (Orders 31-65, 47-65, 37-66, 16-67, 51-A-81, 118-A-81, 128-A-81)
<b>WEST BUTTE</b>				
Bow Island	0	1	0	Statewide, except W 1/2 Section 16 is considered a single spacing unit. Sawtooth-Madison gas commingled, unitized. (Order 5-72) No well closer than 330' from unit boundary.
Sunburst	3	1	2	
<b>WEST BUTTE SHALLOW GAS</b>				
Bow Island-Dakota	0	2	0	160-acre spacing units; with one well to be permitted to produce from each individual gas producing formation above the top of the Kootenai to the surface within each 160-acre spacing unit. Well locations to be anywhere within the spacing unit but not closer than 990' from the spacing unit boundaries. (Order 39-77)

Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>WHITEWATER, EAST</b>				
Bowdoin-Greenhorn-Phillips	0	13	0	640-acre spacing units with two wells allowed per formation to be located anywhere within the spacing unit but not closer than 990' to spacing unit boundary. (Order 100-83)
<b>WHITLASH</b>				
Bow Island-Dakota-Spike	3	27	8	Gas: 300' from legal subdivision line and 2,400' between wells, 75' topographic tolerance.
Madison	0	1	0	Oil: 330' from legal subdivision line and 650' between wells; 5-spot location at center of 40-acre tract permitted; 75' topographic tolerance. (Orders 16-54, 27-70) Order 16-54 amended to include S 1/2 of Section 30, T37N, R4E. SW 1/4 of 30 is 1 spacing unit, SE 1/4 is the other. Well location no closer than 990' from spacing unit boundary. (Order 45-81)
Swift-Sunburst	66	5	14	
<b>WHITLASH, WEST</b>				
Bow Island	0	1	0	Gas: 160-acre spacing units consisting of quarter sections; well location anywhere within a 660' square in center of spacing unit. Oil: 330' from legal subdivision line, 650' between wells in same reservoir on same lease; 5-spot location permitted. (Orders 61-62, 22-65 as amended) Orders 61-62 amended by Order 48-77. Field extension. (Order 18-79)
Swift-Sunburst	4	6	5	
<b>WILLIAMS</b>				
Bow Island	0	17	2	640-acre spacing unit; well to be located no closer than 990' to exterior boundary for all formations above the Kootenai. (Order 49-79) Amendment enlarging field boundary. (Order 102-79, 11-83)
<b>WILLOW CREEK, NORTH</b>				
Tyler	3	0	1	Statewide. Pilotflood. (Order 19-72)
<b>WILLOW RIDGE</b>				
Bow Island	0	12	4	640-acre spacing units; location to be no closer than 990' to unit boundary for gas production from all formations to the top of the Kootenai. (Order 29-78) 40-acre spacing units with permitted 5 wells; well may be located in the center of each 10 acre quarter-quarter section and one in the center of each 40-acre subdivision with a 75' topographic tolerance allowed. (Order 30-78)
Burwash	4	0	0	
Dakota	0	1	0	
Sunburst	0	1	0	
Swift	0	1	0	
<b>WILLOW RIDGE, SOUTH</b>				
Sunburst	1	3	0	Statewide.
<b>WILLS CREEK, SOUTH</b>				
Silurian-Ordovician	3	0	0	160-acre spacing units. Well location in center of SE 1/4 of each unit with 175' topographic tolerance. (Orders 5-64, 30-66) Waterflood initiated 12-1-73. (Order 23-73)
<b>WINDMILL</b>				
Duperow	0	0	1	Statewide.
Red River	1	0	0	
<b>WINNETT JUNCTION</b>				
Tyler	3	0	1	20-acre spacing units. Units to be designated as W 1/2 and E 1/2 of quarter-quarter section, no closer than 120' to the boundary of a spacing unit. (Order 57-76) Certain lands bound by Order 57-76 vacated by Order 41-77. A waterflood operation commenced October 1, 1977 into Tyler formation. (Order 41-77)
<b>WOLF SPRINGS</b>				
Amsden	6	0	1	80-acre spacing units consisting of N 1/2 and S 1/2 of each quarter section. Well location in center of NW 1/4 and SE 1/4 of each quarter section with 75' topographic tolerance. (Orders 4-56, 9-59) Field area reduction. (Order 92-76)
<b>WOLF SPRINGS, SOUTH</b>				
Amsden	6	0	1	80-acre spacing units comprised of W 1/2 or E 1/2 of quarter section; wells located center of NW 1/4 or SE 1/4 of quarter section with 150' topographic tolerance. (Order 57-84) Field enlargement. (Order 8-85)
<b>WOODROW</b>				
Charles	1	0	0	80-acre spacing units consisting of any two adjacent quarter-quarter sections; well locations in center of NE 1/4 and SW 1/4 of each quarter section with 200' topographic tolerance. (Order 47-62)
Siluro-Ordovician	1	0	3	Produced water injected into Dakota. (Order 48-62)

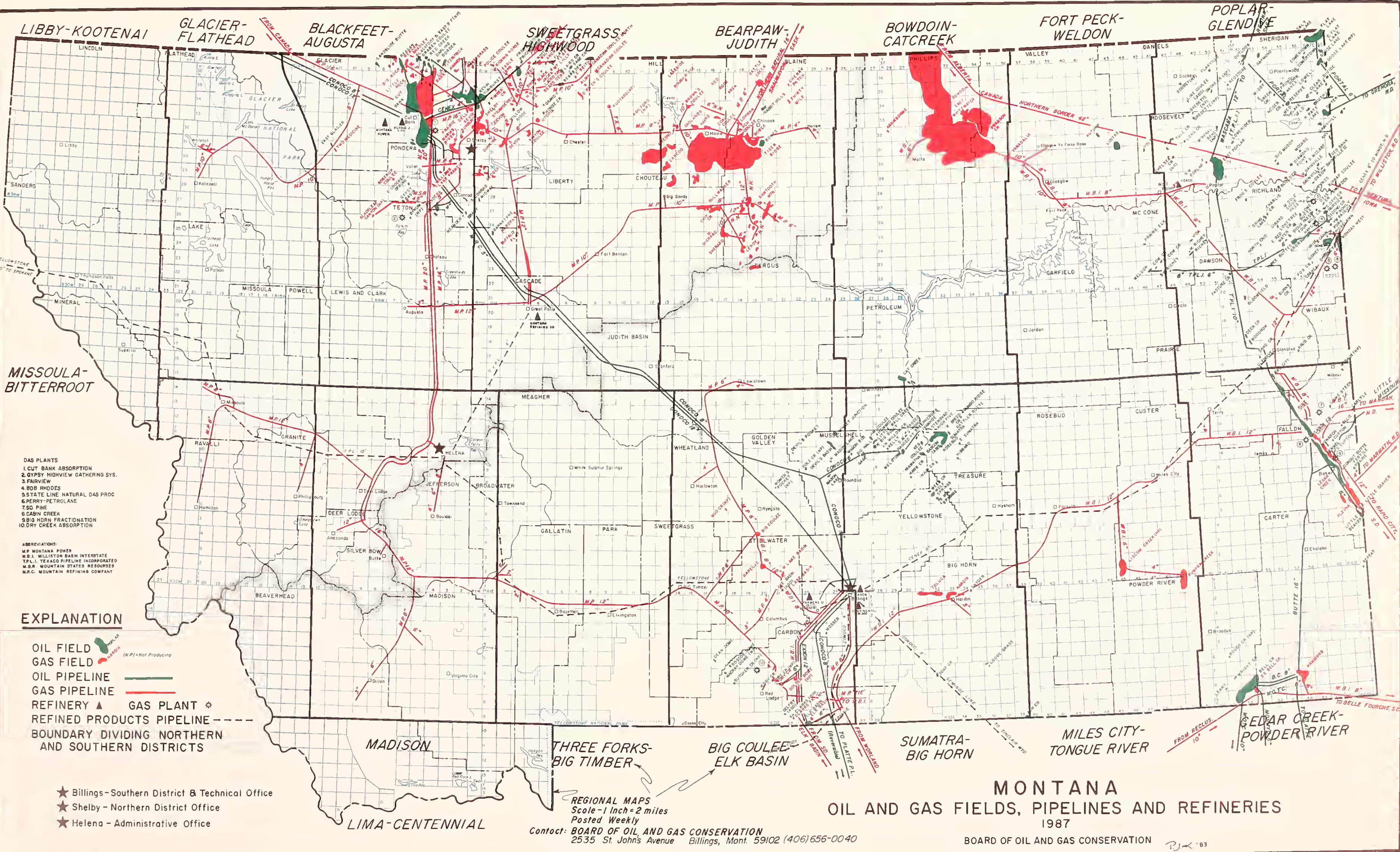
Field, Formation	Oil	Gas	Shut-in	Spacing Regulations, Field Rules, and Remarks
<b>WRANGLER</b> Red River	2	0	0	320-acre spacing units consisting of W 1/2 and E 1/2 of S25 T34N R56E. (Order 44-85)
<b>WRANGLER, NORTH</b> Red River	1	0	0	Statewide.
<b>WRIGHT CREEK</b> Muddy	6	0	1	80-acre spacing units consisting of N 1/2 and S 1/2 of quarter section with locations in NW 1/4 and SE 1/4 of each quarter section with 200' tolerance. Field area reduction. (Order 69-76) Excess produced water is disposed of into the Muddy formation. (Order 8-A-77) SWD approved EPA-87.
<b>YATES</b> Red River	1	0	0	320-acre spacing units; well locations as specified for the Duperow and Red River formations that may be dually completed. (Order 92-81) Single spacing unit for Ratcliffe/Mission Canyon formations. (Order 22-86)
Ratcliffe	1	0	0	











LIBBY-KOOTENAI    GLACIER-FLATHEAD    BLACKFEET-AUGUSTA    SWEETGRASS-HIGHWOOD    BEARPAW-JUDITH    BOWDOIN-CATCREEK    FORT PECK-WELDON    POPLAR-GLENDALE

MISSOULA-BITTERROOT

- DAS PLANTS
- 1. CUT BANK ABSORPTION
  - 2. GYPSY HIGHVIEW GATHERING SYS.
  - 3. FAIRVIEW
  - 4. BOB RHODES
  - 5. STATE LINE NATURAL GAS PROC.
  - 6. PERRY-PETROLANE
  - 7. SO. PINE
  - 8. CABIN CREEK
  - 9. BIG HORN FRACTIONATION
  - 10. DRY CREEK ABSORPTION

ABBREVIATIONS:

- M.P. MONTANA POWER
- W.B.I. WILLISTON BASIN INTERSTATE
- T.P.L. TEXACO PIPELINE INCORPORATED
- M.S.R. MOUNTAIN STATES RESOURCES
- M.R.C. MOUNTAIN REFINING COMPANY

EXPLANATION

- OIL FIELD
- GAS FIELD
- OIL PIPELINE
- GAS PIPELINE
- REFINERY
- GAS PLANT
- REFINED PRODUCTS PIPELINE
- BOUNDARY DIVIDING NORTHERN AND SOUTHERN DISTRICTS

- ★ Billings - Southern District & Technical Office
- ★ Shelby - Northern District Office
- ★ Helena - Administrative Office

MADISON

LIMA-CENTENNIAL

THREE FORKS-BIG TIMBER

BIG COULEE-ELK BASIN

SUMATRA-BIG HORN

MILES CITY-TONGUE RIVER

REDAR CREEK-POWDER RIVER

MONTANA  
OIL AND GAS FIELDS, PIPELINES AND REFINERIES  
1987

REGIONAL MAPS  
Scale - 1 Inch = 2 miles  
Posted Weekly  
Contact: BOARD OF OIL AND GAS CONSERVATION  
2535 St. John's Avenue Billings, Mont. 59102 (406) 656-0040

BOARD OF OIL AND GAS CONSERVATION







SUMMARY OF PRODUCING OIL FIELDS—1987

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	PORO-SITY (%)	% WATER	RECOVERY FACTOR%		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1987 PRODUCTION		CUMULATIVE PRODUCTION 1-88 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		M BBLs	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs/ ACRE	BBLs/ ACRE FT.	BBLs	BOPD			
1. Anvil		Nisku	Roosevelt	1981	10,900	40	1.50	14	17	34	88	—	160	1,300	8,125	1,150	—	1,150	7,188	513	120,301	330	592	558	1.
2. Anvil		Ratcliffe	Roosevelt	1982	8,990	36	1.35	22	11	50	8	—	320	2,225	6,953	180	—	180	563	26	21,571	59	111	69	2.
3. Anvil		Red River	Roosevelt	1978	12,600	47	1.63	26	14	32	13	—	2,560	10,159	11,780	4,030	—	4,030	1,574	61	195,037	534	2,223	1,807	3.
4. Ash Creek		Shannon	Big Horn	1952	4,500	34	1.00	14	22	42	26	5	200	2,772	13,860	720	180	900	4,500	321	4,972	14	821	79	4.
5. Bainville		Siluro—Ord	Roosevelt	1969	12,402	44	—	—	—	—	—	—	1,600	—	—	—	—	—	—	—	64,415	176	280	197	5.
6. Bainville II		Red River	Roosevelt	1981	12,700	42	1.20	40	10	35	4	—	640	10,758	16,809	410	—	410	641	16	46,181	127	354	56	6.
7. Bainville, North		Ratcliffe	Roosevelt	1980	8,800	30	—	13	14	52	—	—	160	—	—	—	—	—	—	—	9,214	25	60	91	7.
8. Bainville, North		Red River, Interlake	Roosevelt	1979	12,400	43	1.55	40	9	32	4	—	2,240	17,446	12,252	990	—	990	442	11	50,476	138	668	322	8.
9. Bainville, North		Winnipegosis	Roosevelt	1979	11,400	44	1.60	35	7	20	9	—	960	9,123	9,503	860	—	860	896	26	71,515	196	457	403	9.
10. Bainville, West		Madison	Roosevelt	1978	9,500	45	1.40	18	6	65	6	—	160	335	2,093	20	—	20	125	7	1,792	5	9	11	10.
11. Bainville, West		Red River	Roosevelt	1978	8,500	34	1.50	12	6	45	11	—	960	1,966	2,047	210	—	210	219	18	8,199	22	184	26	11.
12. Bannatyne		Swift	Teton	1927	1,500	27	1.05	39	15	43	2	—	1,040	15,623	24,637	400	—	400	385	10	10,140	28	340	60	12.
13. Bears Den		Swift	Liberty	1924	2,300	39	1.08	20	9	35	24	—	280	2,353	8,403	570	—	570	2,036	102	6,134	17	505	65	13.
14. Bell Creek		Muddy	Powder River	1967	4,400	36	1.11	10	26	23	55	28	8,240	115,297	13,992	63,860	67,650	131,510	15,960	1,596	1,047,328	2,869	128,651	2,859	14.
15. Beanblossom		Lower Tyler	Garfield	1985	4,562	—	—	—	—	—	—	—	480	—	—	—	—	—	—	—	85,938	235	205	257	15.
16. Benrud		Madison	Roosevelt	1983	7,864	40	—	—	—	—	—	—	160	—	—	—	—	—	—	—	11,068	30	62	75	16.
17. Benrud, East		Nisku	Roosevelt	1962	7,500	46	1.37	22	15	30	36	—	640	8,372	13,081	3,020	—	3,020	4,719	215	36,843	101	2,707	313	17.
18. Benrud, Northeast		Nisku	Roosevelt	1964	7,400	46	1.40	23	16	30	49	—	160	2,284	14,275	1,130	—	1,130	7,063	307	8,626	24	968	162	18.
19. Big Muddy Creek		Madison	Roosevelt	1981	8,500	44	—	14	—	—	—	—	320	—	—	—	—	—	—	—	18,255	50	68	60	19.
20. Big Muddy Creek		Red River	Roosevelt	1975	11,900	48	1.72	11	14	36	21	—	1,280	5,690	4,445	1,200	—	1,200	938	85	15,440	42	1,153	47	20.
21. Big Wall		Amsden	Musselshell	1953	2,500	19	1.01	17	16	35	26	—	280	3,802	13,578	990	—	990	3,536	208	17,530	48	939	51	21.
22. Big Wall		Lower Tyler Unit	Musselshell	1948	3,000	31	1.02	22	17	40	33	1	1,220	10,822	17,067	6,800	230	7,030	5,762	262	45,517	125	6,563	467	22.
23. Big Wall		Upper Tyler Unit	Musselshell	1948	3,000	—	—	—	—	—	—	—	480	—	—	—	—	—	—	—	7,298	20	18	27	23.
24. Black Diamond		Nisku	Wibaux	1981	11,310	27	1.31	4	40	10	15	—	640	5,458	8,528	840	—	840	1,313	328	152,360	417	368	472	24.
25. Blackfoot		Devonian, Madison	Glacier	1957	3,500	30	1.10	15	15	35	17	22	360	3,713	10,313	640	1,100	1,740	4,833	322	41,634	114	1,436	304	25.
26. Bloomfield		Dawson Bay	Dawson	1984	10,500	41	1.38	15	2	25	37	—	320	405	1,265	150	—	150	469	31	22,497	62	109	41	26.
27. Bloomfield		Interlake, Red River	Dawson	1983	10,650	43	1.32	13	4	—	18	—	800	2,445	3,056	440	—	440	550	42	65,638	180	234	206	27.
28. Blue Hill		Red River	Richland	1977	12,600	48	1.35	32	10	60	4	—	640	4,708	7,356	170	—	170	266	8	—	—	162	8	28.
29. Blue Mountain		Red River	Wibaux	1984	11,949	31	1.25	20	18	15	1	—	320	6,077	18,990	60	—	60	188	9	6,417	18	46	14	29.
30. Border Non Unit		Sunburst	Toole	1929	2,400	31	1.08	22	15	30	18	—	120	1,991	16,591	360	—	360	3,000	136	2,529	7	348	12	30.
31. Border Old Unit		Sunburst	Toole	1929	2,400	31	1.08	22	15	30	12	2	480	7,965	16,593	930	120	1,050	2,188	99	7,915	22	1,044	6	31.
32. Bowes Sawtooth Unit		Sawtooth	Blaine	1949	3,300	19	1.02	32	12	31	14	—	3,760	15,774	20,152	10,530	—	10,530	2,801	88	108,990	299	9,455	1,075	32.
33. Box Canyon		Red River	Richland	1980	11,800	46	—	11	—	—	—	—													



# SUMMARY OF PRODUCING OIL FIELDS—1987

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	POROSITY (%)	% WATER	RECOVERY FACTOR%		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1987 PRODUCTION		CUMULATIVE PRODUCTION 1-88 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs/ ACRE	BBLs/ ACRE FT.	BBLs	BOPD			
73.	Dagmar	Red River	Sheridan	1976	11,300	37	1.65	22	16	35	4	—	1,280	13,770	10,757	580	—	580	453	21	21,352	58	518	62	73.
74.	Dagmar, North	Madison	Sheridan	1983	7,952	—	—	24	—	—	—	—	160	—	—	—	—	—	—	—	5,546	15	23	46	74.
75.	Deadmans Coulee	Nisku	Roosevelt	1981	7,500	45	1.10	10	11	40	12	—	640	2,979	4,654	350	—	350	547	55	—	—	265	85	75.
76.	Dean Dome	Greybull	Stillwater	1966	2,500	10	—	2	—	—	—	—	240	—	—	—	48	—	—	—	—	—	93	87	76.
77.	Deer Creek	Siluro—Ord	Dawson	1956	9,400	43	1.20	38	7	30	40	—	480	5,778	12,037	2,330	—	2,330	4,854	128	4,560	12	2,309	21	77.
78.	Delphia	Amsden	Musselshell	1957	6,300	35	1.15	12	7	30	27	—	320	1,269	3,965	340	—	340	1,063	89	3,060	8	324	16	78.
79.	Devils Basin	Amsden, Heath, Tyler	Musselshell	1919	1,200	24	1.02	11	17	22	2	—	560	6,213	11,094	120	—	120	214	19	3,975	11	107	13	79.
80.	Devils Pocket	Heath	Musselshell	1920	2,030	—	—	—	—	—	—	—	320	—	—	—	—	—	—	—	7,866	22	16	21	80.
81.	Diamond Point	Red River	Roosevelt	1976	11,900	47	—	26	—	—	—	—	640	—	—	—	—	—	—	—	68,846	189	646	258	81.
82.	Divide	Madison, Ratcliffe	Sheridan	1979	7,900	33	1.35	25	7	42	14	—	2,240	13,066	5,833	1,870	—	1,870	835	33	109,754	301	1,400	470	82.
83.	Dry Creek	Greybull	Carbon	1981	5,579	—	—	—	—	—	—	—	80	—	—	—	—	—	—	—	3,255	9	27	21	83.
84.	Dry Creek	Eagle, Virgelle	Carbon	1929	2,600	65	1.01	60	13	65	47	—	360	8,710	24,194	4,110	—	4,110	11,417	190	1,789	5	4,103	7	84.
85.	Dwyer Unit	Charles	Sheridan	1960	8,000	37	1.32	38	11	56	74	21	4,960	53,615	10,809	39,410	23,800	63,210	12,744	335	46,753	128	62,980	230	85.
86.	Dwyer Non Unit	Ratcliffe	Sheridan	1960	8,000	—	—	—	—	—	—	—	1,440	—	—	—	—	—	—	—	15,607	43	16	78	86.
87.	Dwyer	Red River	Sheridan	1982	11,552	35	—	—	—	—	—	—	1,600	—	—	—	—	—	—	—	93,308	256	804	290	87.
88.	Eagle	Bakken, Duperow	Richland	1980	10,696	40	—	24	—	—	—	—	320	—	—	—	—	—	—	—	23,737	65	64	98	88.
89.	Eagle	Madison	Richland	1977	8,900	32	1.22	15	9	35	8	—	3,040	16,963	5,579	1,410	—	1,410	464	31	82,831	227	1,137	273	89.
90.	Eagle	Red River	Richland	1982	12,448	38	—	—	—	—	—	—	320	—	—	—	—	—	—	—	4,532	12	251	9	90.
91.	Elk Basin	Frontier	Carbon	1915	1,400	—	—	—	—	—	—	—	400	—	—	—	—	—	—	—	5,072	14	1,710	40	91.
92.	Elk Basin	Madison	Carbon	1942	5,300	28	1.12	224	12	9	2	—	1,080	182,990	169,435	4,010	—	4,010	3,713	17	273,686	750	1,687	2,323	92.
93.	Elk Basin	Tensleep	Carbon	1942	5,000	29	1.16	124	11	10	23	—	1,400	114,941	82,100	26,560	—	26,560	18,971	153	324,871	890	22,186	4,374	93.
94.	Elk Basin, Northwest	Madison, Tensleep	Carbon	1964	6,000	37	1.15	27	12	22	11	3	580	9,888	17,048	1,120	300	1,420	2,448	91	125,602	344	1,335	85	94.
95.	Enid, North	Red River	Richland	1979	11,800	47	1.75	8	7	34	18	—	960	1,573	1,638	280	—	280	292	37	14,195	39	203	77	95.
96.	Dutch John Coulee	Sunburst	Toole	1985	2,040	—	—	—	—	—	—	—	200	—	—	—	—	—	—	—	41,221	113	102	252	96.
97.	Divide	Red River	Sheridan	1987	11,398	—	—	—	—	—	—	—	320	—	—	—	—	—	—	—	42,797	117	43	14	97.
98.	Dwyer	Nisku	Sheridan	1987	9,120	—	—	—	—	—	—	—	160	—	—	—	—	—	—	—	8,094	22	8	51	98.
99.	Fairview	Interlake	Richland	1983	12,120	44	1.40	10	6	49	6	—	320	543	1,696	30	—	30	94	9	5,667	16	28	2	99.
100.	Fairview	Madison	Richland	1981	9,520	34	1.60	45	4	51	13	—	1,120	4,790	4,276	640	—	640	571	13	58,272	160	321	319	100.
101.	Fairview Non Unit	Red River	Richland	1965	12,700	47	1.70	35	11	28	22	—	2,880	36,432	12,650	7,870	—	7,870	2,733	78	96,241	264	7,439	431	101.
102.	Fairview NW Unit	Red River	Richland	1965	12,700	—	—	—	—	—	—	—	1,600	—	—	—	—	—	—	—	73,029	200	156	442	102.
103.	Fairview, East	Red River	Richland	1981	12,800	48	1.50	24	13	32	3	—	960	10,534	10,972	360	—	360	375	16	15,872	43	341	19	103.
104.	Fairview, West	Madison	Richland	1980	9,200	37	—	60	3	—	—	—	320	—	—	—	—	—	—	—	18,642	51	157	86	104.
105.	Fertile Praire	Red River	Fallon	1952	9,300	29	1.20	6	14	27	25	—	800	3,171	3,963	800	—	800	1,000	167	22,762	62			



# SUMMARY OF PRODUCING OIL FIELDS—1987

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	PORO-SITY (%)	% WATER	RECOVERY FACTOR%		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1987 PRODUCTION		CUMULATIVE PRODUCTION 1-88 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(MM BLS)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs/ ACRE	BBLs/ ACRE FT.	BBLs	BOPD			
145.	Jim Coulee Unit	Tyler	Musselshell	1971	3,700	33	1.10	37	15	33	3	13	1,920	50,787	26,225	1,430	2,880	4,310	2,245	61	63,224	173	3,811	499	145.
146.	Jim Coulee, North	Tyler	Musselshell	1972	3,748	32	1.60	37	15	33	21	—	80	1,400	18,025	300	—	300	3,750	101	2,885	8	290	10	146.
147.	Katy Lake	Red River	Sheridan	1984	11,523	—	—	11	—	—	—	—	640	589	—	—	—	—	—	—	21,380	59	105	12	147.
148.	Katy Lake, North	Mission Canyon	Sheridan	1981	8,056	29	—	30	18	54	—	—	800	450	—	—	—	—	—	—	156,409	429	777	635	148.
149.	Katy Lake, North	Nesson	Sheridan	1981	7,798	34	1.50	20	12	31	4	—	160	1,200	8,562	60	—	60	375	19	8,458	23	41	19	149.
150.	Katy Lake, North	Red River	Sheridan	1979	11,300	46	1.42	19	15	30	18	—	1,920	20,567	10,899	3,840	—	3,840	2,000	105	201,430	552	2,448	1,392	150.
151.	Keg Coulee Non Unit	Tyler, Stensvad	Musselshell	1960	4,650	—	—	—	—	—	—	—	160	171	—	—	—	—	—	—	16,076	44	40	58	151.
152.	Keg Coulee Tyler SU	Tyler	Musselshell	1960	4,600	33	1.00	19	14	32	27	3	1,520	21,385	14,032	5,710	550	6,260	4,118	217	55,035	151	5,976	284	152.
153.	Kelley	Tyler	Musselshell	1966	4,400	33	1.15	50	13	30	14	—	240	7,367	30,695	1,000	—	1,000	4,167	83	9,183	25	979	21	153.
154.	Kevin East Nisku Oil	Nisku	Toole	1984	3,000	39	1.10	7	9	30	36	—	480	1,456	3,110	540	—	540	1,125	161	58,760	161	179	361	154.
155.	Kevin Sunburst	Total Production	Toole	1922	1,500	32	1.08	7	20	35	23	3	48,760	318,747	6,536	71,940	7,970	79,910	1,639	234	474,688	1,301	76,568	3,342	155.
156.	Kincheloe Ranch, W	Tyler	Rosebud	1979	5,500	35	—	—	—	—	—	—	200	85	—	—	—	—	—	—	34,313	94	513	80	156.
157.	Laird Creek Unit	Swift	Liberty	1968	2,800	39	1.13	14	16	50	13	2	480	3,627	7,689	470	130	600	1,250	89	5,916	16	571	29	157.
158.	Lambert	Red River	Richland	1980	12,200	44	—	7	13	40	—	—	1,280	—	—	—	—	—	—	—	13,767	38	353	25	158.
159.	Lamesteer Creek	Red River	Wibaux	1984	10,228	39	1.30	8	11	33	3	—	320	1,142	3,518	30	—	30	94	12	4,121	11	21	9	159.
160.	Landslide Butte	Madison, Sun River	Glacier	1967	4,700	41	—	24	—	—	—	—	520	95	—	—	—	—	—	—	46,290	127	234	115	160.
161.	Leary	Muddy	Powder River	1969	5,800	41	1.15	7	17	33	29	—	400	2,157	5,377	620	—	620	1,550	221	5,710	16	598	22	161.
162.	Little Beaver	Red River Non Unit	Fallon	1957	8,300	—	—	—	—	—	—	—	1,120	64	—	—	—	—	—	—	32,909	90	78	67	162.
163.	Little Beaver Unit	Red River	Fallon	1952	8,300	29	1.29	37	12	35	9	23	4,160	72,242	17,356	6,140	8,850	14,990	3,603	97	352,030	964	9,353	5,637	163.
164.	Little Beaver, East	Red River	Fallon	1954	8,300	30	1.50	24	13	35	37	—	1,600	16,703	10,488	6,210	—	6,210	3,881	162	129,529	355	5,395	815	164.
165.	Little Phantom	Sunburst	Toole	1977	2,716	—	—	—	—	—	—	—	40	74	—	—	—	—	—	—	2,069	6	50	9	165.
166.	Little Wall Creek	Tyler, Stensvad	Musselshell	1970	3,700	33	1.10	40	15	33	13	—	1,120	31,754	28,351	4,210	—	4,210	3,759	94	204,200	559	3,514	696	166.
167.	Lodge Grass	Minnelusa	Big Horn	1964	6,520	—	—	—	—	—	—	—	640	30	—	—	—	—	—	—	6,067	17	10	34	167.
168.	Lone Butte	Red River, Madison	Richland	1974	12,400	45	1.70	14	11	30	13	—	960	4,723	4,919	620	—	620	646	46	44,157	121	526	94	168.
169.	Lonetree Creek	Red River	Richland	1970	12,500	47	1.86	19	11	30	20	—	3,200	19,527	6,102	3,820	—	3,820	1,194	63	86,145	236	3,253	567	169.
170.	Long Creek	Charles	Roosevelt	1976	6,500	38	—	30	—	20	—	—	160	44	—	—	—	—	—	—	3,342	9	62	16	170.
171.	Long Creek, West	Nisku	Roosevelt	1977	7,700	39	—	24	18	20	—	—	320	44	—	—	—	—	—	—	41,736	114	542	320	171.
172.	Lookout Butte	Red River, Madison	Fallon	1961	8,900	33	1.15	15	15	25	30	19	7,840	89,251	11,384	26,440	1,300	27,740	3,538	236	524,201	1,436	22,982	4,758	172.
173.	Lowell	Red River	Sheridan	1979	11,300	35	—	7	8	45	—	—	960	44	—	—	—	—	—	—	13,799	38	29	126	173.
174.	Lustre	Madison	Valley	1982	7,200	33	1.19	27	16	45	4	—	7,840	121,441	15,489	4,680	—	4,680	597	22	487,906	1,337	3,257	1,423	174.
175.	Lustre, North	Ratcliffe	Valley	1983	6,150	—	—	—	—	—	—	—	960	—	—	—	—	—	—	—	17,889	49	48	30	175.
176.	McKay Dome	Greybull	Stillwater	1960	3,700	12	1.00	56	10	20	2	—	160	5,561	34,756	120	—	120	750	13	—	—	77	43	176.
177.	Mason Lake, North	Amsden	Musselshell	1975	5,900	—	—	—	—	—	—	—	40	—	—	—	—	—	—	—	—	—	18	9	177.
178.	Lobo																								



## SUMMARY OF PRODUCING OIL FIELDS—1987

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	PERMEABILITY (MD)	POROSITY (%)	% WATER	RECOVERY FACTOR%		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1987 PRODUCTION		CUMULATIVE PRODUCTION 1-BB (M BBLs)	RESERVES (M BBLs)	LINE NO.
												PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs/ ACRE	BBLs/ ACRE FT.	BBLs	BOPD			
217.	Poplar, East	Madison	Roosevelt	1952	5,500	40	1.10	25	1	30	20	—	18,070	245,327	13,576	48,430	—	48,430	2,680	107	176,428	483	44,446	3,984	217.	
218.	Poplar, East	Heath	Roosevelt	1969	4,900	38	1.10	8	11	50	23	—	480	1,490	3,104	340	—	340	708	89	5,956	16	282	58	218.	
219.	Poplar, Northwest	Madison	Roosevelt	1952	6,300	40	1.10	16	10	45	12	—	5,120	31,777	6,206	3,680	—	3,680	719	45	250,058	685	2,855	825	219.	
220.	Prichard Creek Unit	Sunburst	Toole	1970	2,700	—	—	—	—	—	—	—	200	—	—	—	—	—	—	—	3,041	8	159	6	220.	
221.	Pronghorn	Red River	Sheridan	1983	10,580	40	1.30	17	13	54	3	—	1,280	7,765	6,066	260	—	260	203	12	29,209	80	213	47	221.	
222.	Putnam	Interlake	Richland	1969	11,900	41	1.75	16	9	30	12	—	640	2,860	4,468	340	—	340	531	33	19,738	54	306	34	222.	
223.	Putnam	Madison	Richland	1978	9,500	34	1.42	92	6	35	4	—	800	15,682	19,602	560	—	560	700	8	31,331	86	304	256	223.	
224.	Putnam	Red River	Richland	1969	11,900	41	1.75	16	9	30	25	—	4,160	18,589	4,468	4,710	—	4,710	1,132	71	396,845	1,087	3,440	1,270	224.	
225.	Rabbit Hills	Sawtooth	Blaine	1972	4,000	21	1.15	12	18	16	16	—	800	9,792	12,240	1,550	—	1,550	1,938	162	78,264	214	933	617	225.	
226.	Rabbit Hills, SW	Sawtooth	Blaine	1972	5,540	21	—	16	—	—	—	—	320	—	—	—	—	—	—	—	—	12	40	226.		
227.	Ragged Point	Tyler	Musselshell	1956	3,600	32	1.11	13	14	32	22	10	1,440	12,456	8,650	2,730	1,210	3,940	2,736	210	90,623	248	3,648	292	227.	
228.	Rainbow	Red River	Richland	1982	12,500	46	2.20	28	14	45	7	—	320	2,433	7,603	180	—	180	563	20	11,628	32	114	66	228.	
229.	Rattler Butte	Tyler	Rosebud	1975	5,300	35	1.10	25	12	60	45	—	240	2,031	8,462	910	—	910	3,792	152	31,054	85	851	59	229.	
230.	Rattlesnake Butte	Cat Creek, Amsden	Petroleum	1984	2,732	28	1.10	26	21	70	16	—	240	2,773	11,554	450	—	450	1,875	72	84,056	230	326	124	230.	
231.	Raymond	Duperow	Sheridan	1979	8,360	46	—	—	—	—	—	—	160	—	—	—	—	—	—	—	11,540	32	57	63	231.	
232.	Raymond	Mississippian	Sheridan	1972	6,800	32	1.09	10	10	—	11	—	1,760	12,527	7,117	1,400	—	1,400	795	80	22,421	61	1,276	124	232.	
233.	Raymond	Red River	Sheridan	1972	10,000	39	1.42	33	12	10	7	—	960	18,693	19,471	1,340	—	1,340	1,396	42	29,301	80	826	514	233.	
234.	Raymond	Winnipegosis	Sheridan	1972	9,300	42	1.17	40	5	27	25	—	960	9,294	9,681	2,360	—	2,360	2,458	61	74,372	204	1,232	1,128	234.	
235.	Raymond	Nisku	Sheridan	1972	7,900	50	1.40	22	9	—	12	—	640	7,022	10,971	870	—	870	1,359	62	31,669	87	705	165	235.	
236.	Reagan	Madison	Glacier	1947	3,700	38	1.10	11	12	30	45	14	2,600	16,943	6,516	7,590	2,300	9,890	3,804	346	175,703	481	8,329	1,561	236.	
237.	Red Bank	Madison	Roosevelt	1980	13,000	31	2.00	16	14	11	3	—	5,120	39,594	7,733	1,330	—	1,330	260	16	95,366	261	1,109	221	237.	
238.	Red Bank	Red River	Roosevelt	1980	13,000	45	2.00	20	18	8	3	—	960	12,333	12,846	370	—	370	385	19	15,817	43	344	26	238.	
239.	Red Bank, South	Red River	Roosevelt	1981	13,000	47	—	20	17	29	—	—	320	—	—	—	—	—	—	—	11,853	32	282	5	239.	
240.	Red Creek Unit	Cut Bank, Madison	Glacier	1958	2,600	31	1.08	20	19	30	11	2	1,410	26,942	19,107	2,910	300	3,210	2,277	114	99,587	273	2,744	466	240.	
241.	Red Water, East	Red River	Richland	1983	12,025	47	1.40	20	11	40	8	—	320	2,341	7,315	180	—	180	563	28	17,504	48	104	76	241.	
242.	Redstone	Winnipegosis	Sheridan	1958	9,400	42	1.10	34	8	30	11	—	320	4,297	13,428	490	—	490	1,531	45	529	1	468	22	242.	
243.	Refuge	Red River	Sheridan	1979	11,300	44	1.69	13	5	30	36	—	320	668	2,087	240	—	240	750	58	15,285	42	155	85	243.	
244.	Repeat	Red River	Carter	1956	8,600	23	1.02	25	10	30	27	—	160	2,130	13,312	570	—	570	3,563	143	8,180	22	531	39	244.	
245.	Reserve	Red River	Sheridan	1966	11,100	39	1.30	18	6	30	24	—	1,600	7,219	4,511	1,710	—	1,710	1,069	59	29,399	81	1,602	108	245.	
246.	Reserve	Winnipegosis	Sheridan	1967	10,193	—	—	—	—	—	—	—	160	—	—	—	—	—	—	—	3,766	10	15	26	246.	
247.	Richey	Charles	McCone	1951	7,000	39	1.20	25	8	30	15	—	1,440	13,033	9,050	2,000	—	2,000								

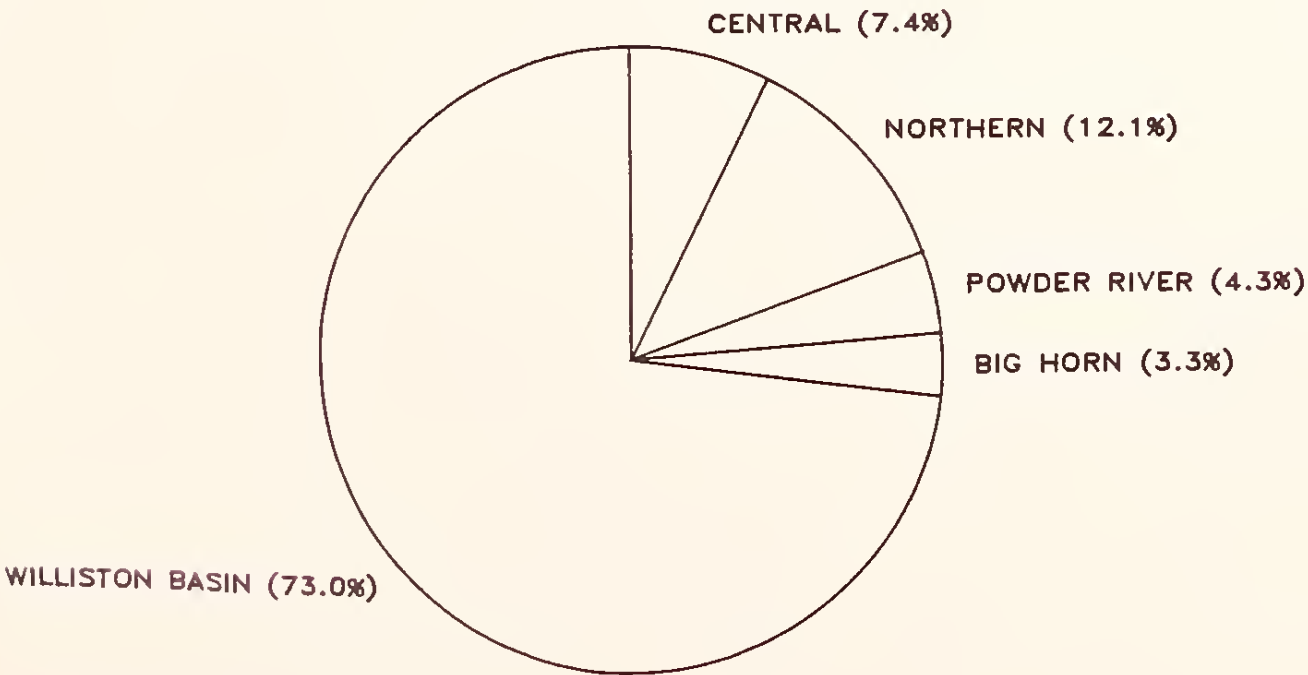


SUMMARY OF PRODUCING OIL FIELDS—1987

LINE NO.	FIELD	PRODUCING FORMATION	COUNTY	YEAR OF DISCOVERY	DEPTH	GRAVITY °API	F.V.F.	NET PAY FT.	POROSITY (%)	% WATER	RECOVERY FACTOR%		PRODUCTIVE AREA ACRES	OOIP		ULTIMATE RECOVERY					1987 PRODUCTION		CUMULATIVE PRODUCTION 1-88 (M BBLs)	RESERVES (M BBLs)	LINE NO.
											PRIMARY	SECONDARY		(M BBLs)	BBLs/ACRE	PRIMARY (M BBLs)	SECONDARY (M BBLs)	TOTAL (M BBLs)	BBLs/ ACRE	BBLs/ ACRE FT.	BBLs	BOPD			
289.	Tule Creek, South	Dakota	Roosevelt	1964	7,600	43	1.40	8	12	30	45	—	480	1,787	3,722	810	—	810	1,688	211	24,432	67	773	37	289.
290.	Two Waters	Bakken	Richland	1982	9,950	—	—	42	—	—	—	—	320	—	—	—	—	—	—	—	9,077	25	28	35	290.
291.	Two Waters	Red River	Richland	1980	11,500	43	1.40	16	8	30	10	—	320	1,589	4,965	160	—	160	500	31	7,215	20	114	46	291.
292.	Utopia	Swift	Liberty	1977	2,300	33	1.15	17	16	40	7	—	1,040	11,450	11,009	850	—	850	817	48	40,839	112	513	337	292.
293.	Vaux	Interlake, S. C. & V.	Richland	1981	12,100	45	—	—	—	25	—	—	640	—	—	—	—	—	—	—	38,043	104	408	96	293.
294.	Vaux	Madison	Richland	1977	8,800	34	1.20	40	4	43	16	—	3,200	18,867	5,895	3,010	—	3,010	941	24	275,909	756	1,093	1,917	294.
295.	Vaux	Red River	Richland	1976	12,400	48	1.60	24	14	45	8	—	2,240	20,071	8,960	1,580	—	1,580	705	29	54,738	150	1,462	118	295.
296.	Volt	Nisku	Roosevelt	1964	7,300	47	1.40	14	20	30	49	—	800	8,689	10,861	4,250	—	4,250	5,313	380	76,037	208	2,872	1,378	296.
297.	Wakea	Red River	Sheridan	1983	11,133	42	1.57	6	14	31	30	—	1,280	3,666	2,864	1,100	—	1,100	859	143	122,840	337	790	310	297.
298.	Wakea	Winnipegosis	Sheridan	1985	10,179	44	1.42	12	14	30	169	—	320	2,056	6,425	3,470	—	3,470	10,844	904	195,618	536	692	2,778	298.
299.	Weldon	Kibbey	McCone	1964	5,900	39	1.01	14	16	35	41	—	1,560	17,447	11,183	7,120	—	7,120	4,564	326	—	—	7,049	71	299.
300.	West Butte	Sunburst	Toole	1968	2,300	40	1.10	10	24	23	15	—	160	2,085	13,031	310	—	310	1,938	194	5,506	15	285	25	300.
301.	Whitlash	Swift, Sunburst	Liberty	1927	2,600	38	1.13	15	16	20	13	—	3,120	41,127	13,181	5,520	—	5,520	1,769	118	63,953	175	5,154	366	301.
302.	Whitlash, West	Sunburst	Liberty	1980	2,906	—	—	—	—	—	—	—	200	—	—	—	—	—	—	—	5,747	16	108	11	302.
303.	Willow Creek, North	Tyler	Musselshell	1970	4,000	32	1.20	12	13	54	46	—	160	742	4,637	340	—	340	2,125	177	11,819	32	323	17	303.
304.	Willow Ridge	Burwash	Toole	1975	1,400	40	1.20	8	16	40	5	—	200	993	4,965	50	—	50	250	31	2,509	7	41	9	304.
305.	Wills Creek, South	Red River	Fallon	1964	8,700	33	1.20	12	18	35	35	—	480	4,357	9,077	1,540	—	1,540	3,208	267	22,031	60	1,052	488	305.
306.	Wolf Springs	Amsden	Yellowstone	1955	6,200	30	1.07	11	6	23	63	—	2,080	7,664	3,684	4,800	—	4,800	2,308	210	19,591	54	4,656	144	306.
307.	Wolf Springs, South	Amsden	Yellowstone	1984	6,100	31	—	12	—	—	—	—	960	—	—	—	—	—	—	—	96,169	263	713	83	307.
308.	Woodrow	Red River, Charles	Dawson	1952	9,600	42	1.30	25	14	35	16	—	560	7,603	13,576	1,230	—	1,230	2,196	88	13,714	38	1,132	98	308.
309.	Wrangler	Red River	Sheridan	1979	11,200	30	1.00	6	10	—	36	—	640	2,979	4,654	1,070	—	1,070	1,672	279	43,937	120	404	666	309.
310.	Wrangler, North	Red River	Sheridan	1979	10,000	41	1.40	18	16	45	4	—	320	2,809	8,778	120	—	120	375	21	5,417	15	100	20	310.
311.	Wright Creek	Muddy	Powder River	1969	4,800	35	1.10	5	26	48	16	—	400	1,907	4,767	310	—	310	775	155	7,961	22	275	35	311.
312.	Yates	Duperow	Wibaux	1981	10,100	—	—	—	—	—	—	—	160	—	—	—	—	—	—	—	—	—	26	16	312.
313.	Yates	Red River	Wibaux	1982	11,245	33	1.30	21	10	45	1	—	640	4,411	6,892	40	—	40	63	3	9,020	25	28	12	313.
Miscellaneous Small Fields																					363,000	994		105	
STATE TOTALS																					25,104,049	68,778		188,557	

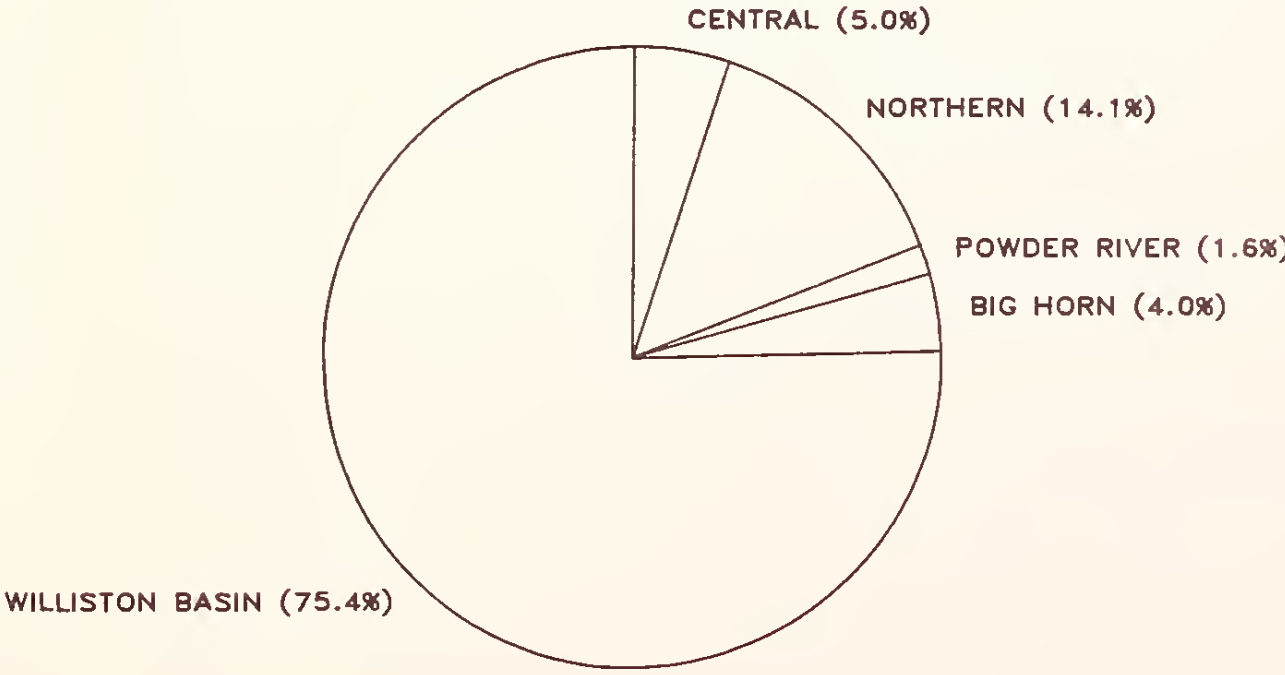
1987 PRODUCTION BY REGION

(25,104,049 Barrels)



1987 RESERVES BY REGION

(188,557,000 Barrels)







SHOWING PRODUCTIVE FORMATIONS IN MONTANA OIL AND GAS FIELDS \*

● OIL    ⚙️ GAS

MONTANA BOARD OF OIL AND GAS CONSERVATION - 1986

\*SOME FIELDS SHOWN ARE DEPLETED OR NO LONGER PRODUCTIVE









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